

# Converting Colors

XYZ(75.2620, 90.3855, 53.7205)

Have a look what the booklet for  
XYZ(75.2620, 90.3855, 53.7205)  
contains.

<b>XYZ(75.3949, 90.5976, 53.5578)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(75.3949, 90.5976,  
53.5578)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5FEAE
RGB	229, 254, 174
RGB Percent	90%, 100%, 68%
CMY	0.1020, 0.0039, 0.3176
CMYK	0.10, 0.00, 0.31, 0.00
HSL	79°, 98%, 84%
HSV	79°, 31%, 100%
XYZ	75.3949, 90.5976, 53.5578
YIQ	237.4050, 10.7800, -30.1800

# Conversions

## Conversions Part 2

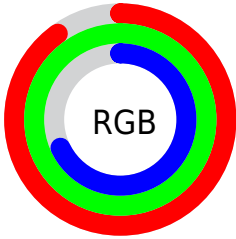
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">174, 254, 199</a>
Decimal	<a href="#">15072942</a>
CIELab	<a href="#">96.24, -20.96, 35.65</a>
CIELCh	<a href="#">96, 41.355, 120.458</a>
Yxy	<a href="#">90.5976, 0.3434, 0.4127</a>
Android (android.graphics.Color)	<a href="#">4293263022</a> ( <a href="#">0xFFE5FEAE</a> )
YUV	<a href="#">237.4050, -31.2587, -7.3712</a>
Hunter-Lab	<a href="#">95.1828, -25.1788, 33.2664</a>

# Details

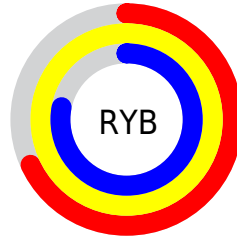
The XYZ color **75.3949, 90.5976, 53.5578** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **56.5822, 49.5725, 100.3572**, and the grayscale version is **81.0381, 85.2584, 92.8464**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **40.6510, 50.1972, 25.6357** is the 20% darker color. If you saturate the color by 10%, you get **70.6743, 88.4264, 41.6105**, and if you desaturate by 10%, it is **80.7043, 93.0238, 67.9804**.

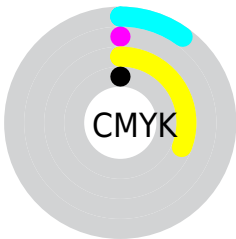
# Distribution



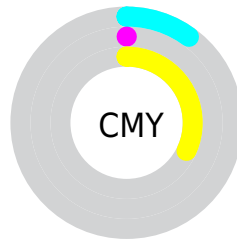
- Red (90%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (78%)



- Cyan (10%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3949, 90.5976, 53.5578 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.3949, 90.5976, 53.5578 by changing the saturation by 10% instead.




 75.3949, 90.5976,  
53.5578

 75.3949, 90.5976,  
53.5578


468.2501,  
529.9729, 417.5484

 56.2318, 68.4764,  
37.8575


 125.8561,  
148.1682, 96.8745

 40.6265, 50.2854,  
25.5711


157.8849,  
184.3864, 125.3280

 28.2137, 35.6402,  
16.2802


194.9330,  
226.0724, 158.8696

 18.6281, 24.1565,  
9.5661

237.3658,  
273.6105, 197.9178

 11.5043, 15.4497,  
5.0104

285.5485,  
327.3853, 242.8913

 6.4769, 9.1356,  
2.1945

339.8465,

 3.1806, 4.8297,

387.7810, 294.2085

0.6712

400.6253,  
455.1821, 352.2880

■ 1.2500, 2.1477,  
0.0000

■ 0.1453, 0.6913,  
0.0000

■ 75.3949, 90.5976,  
53.5578

■ 75.3949, 90.5976,  
53.5578

■ 70.6743, 88.4264,  
41.6105

■ 80.7043, 93.0238,  
67.9804

■ 66.5075, 86.4870,  
31.9934

■ 86.6214, 95.7036,  
85.0011

■ 62.8663, 84.7707,  
24.5550

■ 93.1728, 98.6508,  
104.7414

■ 59.7164, 83.2638,  
19.1237

■ 94.7337, 99.3674,  
108.7946

■ 57.0188, 81.9505,  
15.5021

■ 54.7267, 80.8119,  
13.4528

■ 53.0366, 79.9569,  
12.6379

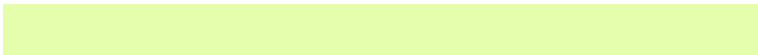
# Harmonies

## Analogous

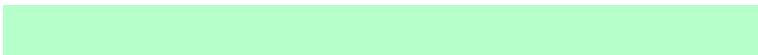
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9337, 90.5976, 47.9583



75.3949, 90.5976, 53.5578



68.2927, 90.5976, 70.6347

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.3949, 90.5976, 53.5578



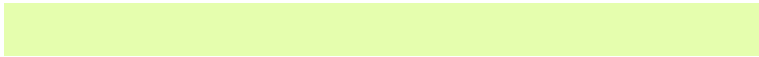
75.6753, 90.5976, 164.5263



110.1322, 90.5976, 98.1402

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.3949, 90.5976, 53.5578



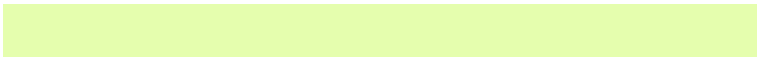
56.5822, 49.5725, 100.3572

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.7852, 90.5976, 133.2266



75.3949, 90.5976, 53.5578



86.2871, 90.5976, 176.3586

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3949, 90.5976, 53.5578



68.4442, 90.5976, 134.3004



97.7957, 90.5976, 163.8157

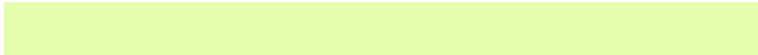


106.5814, 90.5976, 69.9355

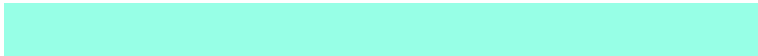


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.3949, 90.5976, 53.5578



66.1183, 90.5976, 88.5296



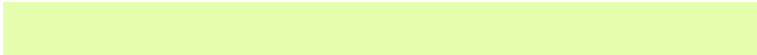
97.7957, 90.5976, 163.8157



109.7735, 90.5976, 109.5038

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.3972, 90.6016, 53.5597



88.9826, 97.2739, 90.4670



68.7104, 64.5179, 48.8775



18.8466, 20.7307, 18.7715



0.0000, 0.0000, 0.0000

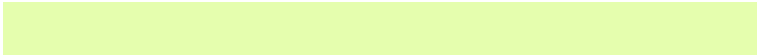


20.3446, 21.4041, 23.3091

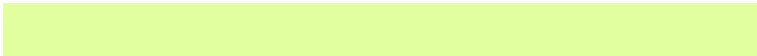


# Same Dimension

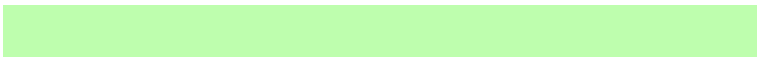
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3972, 90.6016, 53.5597



72.9022, 89.9536, 45.9133



64.3200, 84.8911, 53.0413



18.9765, 20.7893, 19.1569



28.1190, 42.2340, 6.6699



2.8505, 4.1703, 0.6547



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56.5822, 49.5725, 100.3572



51.1283, 42.4484, 100.1063



68.2886, 55.6073, 100.9050



17.5371, 17.6531, 22.7330



11.2815, 4.7263, 49.7523

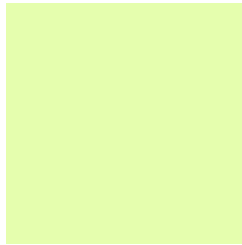


1.2053, 0.5153, 4.8492



# Previews

## White Background



This preview shows how the XYZ color 75.3949, 90.5976, 53.5578 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3949, 90.5976, 53.5578 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

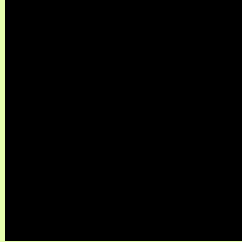
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

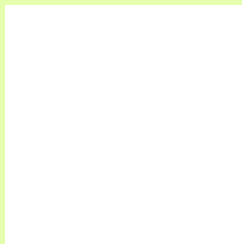
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.3949, 90.5976, 53.5578**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.3949, 90.5976, 53.5578.



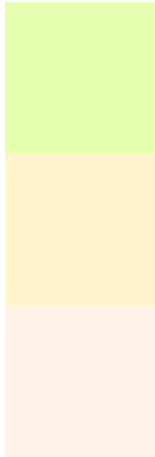
This preview shows how white text looks on a background with the XYZ color 75.3949, 90.5976,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.3949, 90.5976, 53.5578

### Protanopia

84.7313, 90.4176, 71.3790

### Deuteranopia

87.4159, 90.5338, 88.4688



## Tritanopia

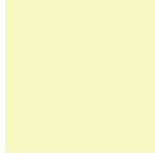
86.7185, 90.1984, 107.4472

# Trichromacy



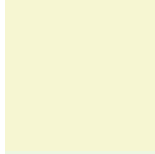
## Original Color

75.3949, 90.5976, 53.5578



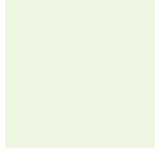
## Protanomaly

81.3110, 90.6227, 64.2453



## Deuteranomaly

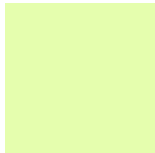
82.5947, 90.1575, 74.0217



## Tritanomaly

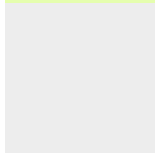
81.9133, 90.0170, 85.0092

# Monochromacy



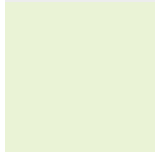
## Original Color

75.3949, 90.5976, 53.5578



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.1199, 86.4486, 76.1872

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3949, 90.5976, 53.5578 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(229, 254, 174)` looks like.

```
.text, #text, p{  
    color:rgb(229, 254, 174)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(229, 254, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 254, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3949, 90.5976, 53.5578 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 254, 174) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(229, 254, 174) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(229, 254, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 254, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 254, 174);  
box-shadow:4px 4px 4px 4px rgb(229, 254,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3949, 90.5976, 53.5578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 254, 174) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(229,  
254, 174) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor