

# Converting Colors

XYZ(88.8105, 119.7576,  
53.6840)

Have a look what the booklet for  
XYZ(88.8105, 119.7576, 53.6840)  
contains.

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# Color

**XYZ(74.1394, 90.5312,  
48.6887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFA4
RGB	227, 255, 164
RGB Percent	89%, 100%, 64%
CMY	0.1098, 0.0000, 0.3569
CMYK	0.11, 0.00, 0.36, 0.00
HSL	78°, 100%, 82%
HSV	78°, 36%, 100%
XYZ	74.1394, 90.5312, 48.6887
YIQ	236.2540, 12.5230, -34.2370

# Conversions

## Conversions Part 2

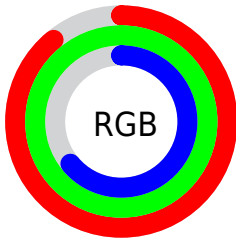
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">164, 255, 192</a>
Decimal	<a href="#">14942116</a>
CIELab	<a href="#">96.22, -23.43, 40.54</a>
CIELCh	<a href="#">96, 46.821, 120.026</a>
Yxy	<a href="#">90.5312, 0.3475, 0.4243</a>
Android (android.graphics.Color)	<a href="#">4293132196 (0xFFE3FFA4)</a>
YUV	<a href="#">236.2540, -35.6212, -8.1158</a>
Hunter-Lab	<a href="#">95.1479, -27.4213, 36.2639</a>

# Details

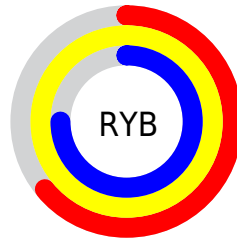
The XYZ color **74.1394, 90.5312, 48.6887** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.0648, 44.9787, 100.4927**, and the grayscale version is **80.1804, 84.3561, 91.8638**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **39.6409, 50.0819, 22.6164** is the 20% darker color. If you saturate the color by 10%, you get **69.6437, 88.4536, 37.6387**, and if you desaturate by 10%, it is **79.2103, 92.8521, 62.1782**.

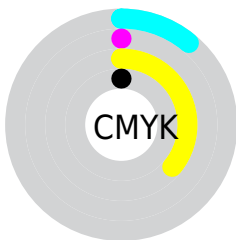
# Distribution



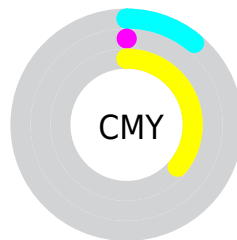
- Red (89%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (75%)



- Cyan (11%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1394, 90.5312, 48.6887 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 74.1394, 90.5312, 48.6887 by changing the saturation by 10% instead.




 74.1394, 90.5312,  
48.6887


 74.1394, 90.5312,  
48.6887


463.9972,  
529.7573, 398.1027

 55.1998, 68.4213,  
34.0087


 124.0878,  
148.0760, 89.6051

 39.7962, 50.2406,  
22.6229


 155.8274,  
184.2798, 116.6787

 27.5632, 35.6046,  
14.1126


192.5644,  
225.9502, 148.7205

 18.1354, 24.1290,  
8.0594

234.6640,  
273.4718, 186.1491

 11.1475, 15.4293,  
4.0447

282.4918,  
327.2289, 229.3831

 6.2342, 9.1212,  
1.6499

336.4130,

 3.0300, 4.8203,

387.6059, 278.8410

0.3260

396.7931,  
454.9873, 334.9414

■ 1.1696, 2.1422,  
0.0000

■ 0.0822, 0.6882,  
0.0000

■ 74.1394, 90.5312,  
48.6887

■ 74.1394, 90.5312,  
48.6887

■ 69.6437, 88.4536,  
37.6387

■ 79.2103, 92.8521,  
62.1782

■ 65.6930, 86.6067,  
28.8780

■ 84.8824, 95.4265,  
78.2372

■ 62.2554, 84.9778,  
22.2460

■ 91.1809, 98.2650,  
96.9915

■ 59.2946, 83.5521,  
17.5598

95.0500, 100.0000,  
108.9000

■ 56.7683, 82.3125,  
14.6055

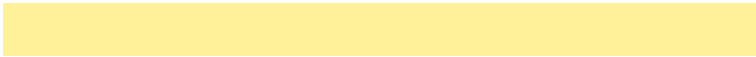
■ 54.6248, 81.2382,  
13.1182

■ 53.7862, 80.8128,  
12.7636

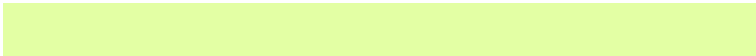
# Harmonies

## Analogous

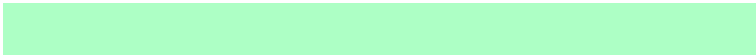
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0360, 90.5312, 42.9309



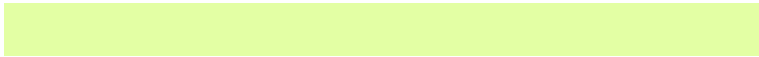
74.1394, 90.5312, 48.6887



66.1658, 90.5312, 66.9678

# Triad

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



74.1394, 90.5312, 48.6887



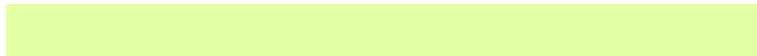
74.1570, 90.5312, 174.4683



113.5319, 90.5312, 98.5409

# Complementary

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



74.1394, 90.5312, 48.6887



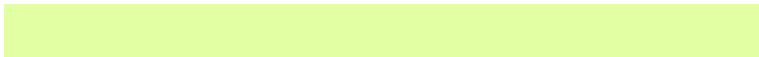
53.0648, 44.9787, 100.4927

# 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.



109.5587, 90.5312, 138.8239



74.1394, 90.5312, 48.6887



86.0584, 90.5312, 188.8516

# Square

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



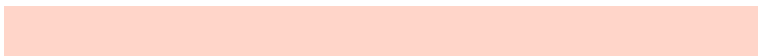
74.1394, 90.5312, 48.6887



66.1752, 90.5312, 138.8939



99.1663, 90.5312, 174.4212

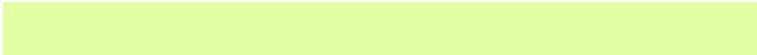


109.5455, 90.5312, 66.9248

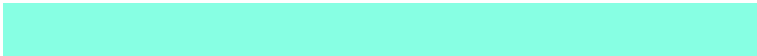


# Rectangle

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



74.1394, 90.5312, 48.6887



63.7087, 90.5312, 86.6902



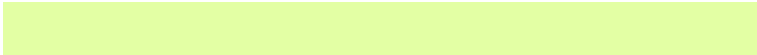
99.1663, 90.5312, 174.4212



113.0782, 90.5312, 111.4951

# Sweetspot

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



74.1398, 90.5314, 48.6900



87.7539, 96.7229, 86.6811



66.6378, 61.3339, 43.4497



18.6020, 20.6211, 18.0171



0.0000, 0.0000, 0.0000

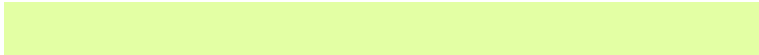


20.3446, 21.4041, 23.3091

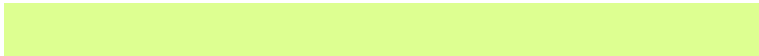


# Same Dimension

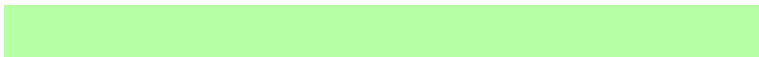
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.1398, 90.5314, 48.6900



70.7962, 88.9883, 40.3749



61.8003, 84.1702, 48.1125



18.9854, 20.7939, 19.1573



28.2642, 42.3088, 6.6767



2.8638, 4.1771, 0.6553



# Inverse Universe

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



53.0648, 44.9787, 100.4927



46.8400, 37.1723, 99.3140



66.1844, 51.7421, 101.1067



17.5287, 17.6488, 22.7326



11.2261, 4.6977, 49.7497

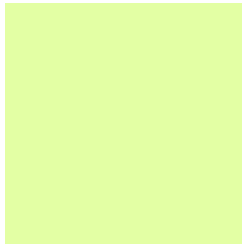


1.1990, 0.5120, 4.8489



# Previews

## White Background



This preview shows how the XYZ color 74.1394, 90.5312, 48.6887 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

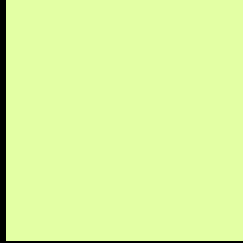
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.1394, 90.5312, 48.6887 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

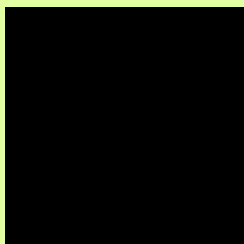
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

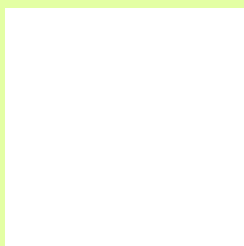
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.1394, 90.5312, 48.6887**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.1394, 90.5312, 48.6887.



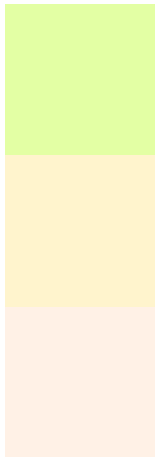
This preview shows how white text looks on a background with the XYZ color 74.1394, 90.5312,



# 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

74.1394, 90.5312, 48.6887

### Protanopia

84.6101, 90.3691, 70.7412

### Deuteranopia

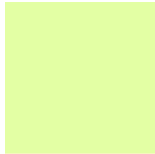
86.9782, 89.8838, 87.6280



## Tritanopia

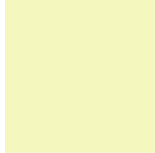
86.7185, 90.1984, 107.4472

# Trichromacy



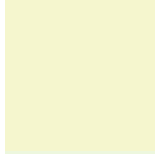
## Original Color

74.1394, 90.5312, 48.6887



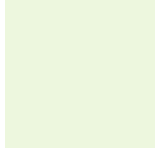
## Protanomaly

80.5179, 90.2650, 61.8943



## Deuteranomaly

81.7525, 89.7802, 71.4130



## Tritanomaly

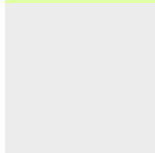
81.3706, 89.8000, 82.1517

# Monochromacy



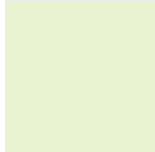
## Original Color

74.1394, 90.5312, 48.6887



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.2877, 86.0780, 73.5140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1394, 90.5312, 48.6887 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(227, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 164)  
}
```

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(227, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1394, 90.5312, 48.6887 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(227, 255, 164) }
```



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

```
.border{ border-color:rgb(227, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1394, 90.5312, 48.6887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 164) }
```

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

```
.background{ background-color: rgb(227,  
255, 164) }
```

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](#).

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