

# Converting Colors

XYZ(124.3450, 192.7230,  
72.3792)

Have a look what the booklet for  
XYZ(124.3450, 192.7230, 72.3792)  
contains.

<b>XYZ(72.9092, 89.7544, 55.0766)</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(72.9092, 89.7544,  
55.0766)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBFFB1
RGB	219, 255, 177
RGB Percent	86%, 100%, 69%
CMY	0.1412, 0.0000, 0.3059
CMYK	0.14, 0.00, 0.31, 0.00
HSL	88°, 100%, 85%
HSV	88°, 31%, 100%
XYZ	72.9092, 89.7544, 55.0766
YIQ	235.3440, 3.5820, -31.8900

# Conversions

## Conversions Part 2

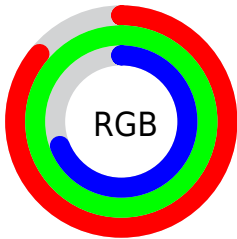
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 255, 213
Decimal	14417841
CIELab	95.89, -24.60, 33.57
CIELCh	96, 41.617, 126.238
Yxy	89.7544, 0.3348, 0.4122
Android (android.graphics.Color)	4292607921 (0xFFDBFFB1)
YUV	235.3440, -28.7636, -14.3337
Hunter-Lab	94.7388, -28.4227, 31.8488

# Details

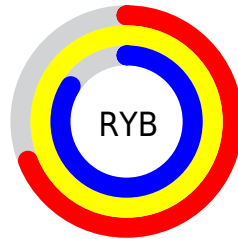
The XYZ color **72.9092, 89.7544, 55.0766** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.2138, 52.8117, 101.5751**, and the grayscale version is **79.4376, 83.5746, 91.0127**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **38.9364, 49.6299, 26.5962** is the 20% darker color. If you saturate the color by 10%, you get **67.1835, 87.0694, 42.7577**, and if you desaturate by 10%, it is **79.3611, 92.7588, 69.9110**.

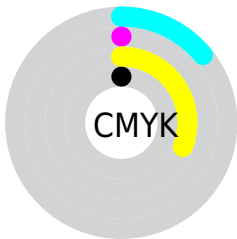
# Distribution



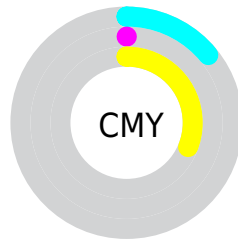
- Red (86%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (84%)



- Cyan (14%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9092, 89.7544, 55.0766 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 72.9092, 89.7544, 55.0766 by changing the saturation by 10% instead.




 72.9092, 89.7544,  
55.0766

 72.9092, 89.7544,  
55.0766


459.8087,  
527.2316, 423.4924

 54.1898, 67.7770,  
39.0640


 122.3521,  
146.9972, 99.1255

 38.9847, 49.7163,  
26.5013


153.8064,  
183.0313, 127.9988

 26.9285, 35.1880,  
16.9699

190.2363,  
224.5199, 161.9962

 17.6559, 23.8078,  
10.0513

232.0073,  
271.8471, 201.5362

 10.8014, 15.1911,  
5.3270

279.4847,  
325.3975, 247.0372

 5.9997, 8.9536,  
2.3783

333.0338,

 2.8856, 4.7109,

385.5555, 298.9179

0.7746

393.0200,  
452.7054, 357.5968

■ 1.0935, 2.0787,  
0.0000

■ 0.0197, 0.6526,  
0.0000

■ 72.9092, 89.7544,  
55.0766

■ 72.9092, 89.7544,  
55.0766

■ 67.1835, 87.0694,  
42.7577

■ 79.3611, 92.7588,  
69.9110

■ 62.1512, 84.6901,  
32.8106

■ 86.5673, 96.0944,  
87.3861

■ 57.7781, 82.6022,  
25.0831

■ 94.5560, 99.7731,  
107.6233

■ 54.0264, 80.7899,  
19.4036

■ 95.0500, 100.0000,  
108.9000

■ 50.8529, 79.2354,  
15.5754

■ 48.2072, 77.9177,  
13.3631

■ 46.1267, 76.8642,  
12.4052

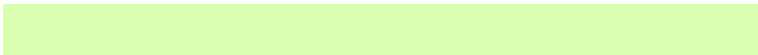
# Harmonies

## Analogous

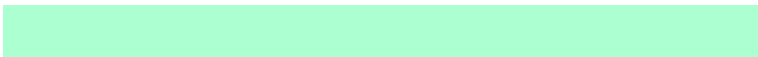
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9319, 89.7544, 47.3752



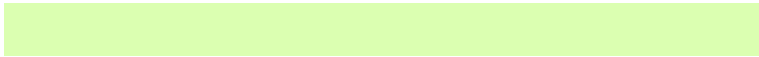
72.9092, 89.7544, 55.0766



66.6518, 89.7544, 74.3941

# Triad

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



72.9092, 89.7544, 55.0766



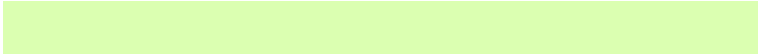
76.7163, 89.7544, 167.7906



109.1983, 89.7544, 91.0154

# Complementary

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



72.9092, 89.7544, 55.0766



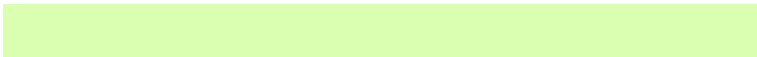
61.2138, 52.8117, 101.5751

# Split Complementary

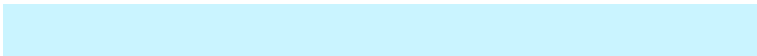
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.1582, 89.7544, 125.4908



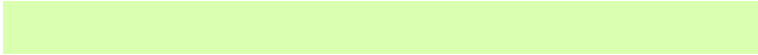
72.9092, 89.7544, 55.0766



87.7308, 89.7544, 175.0435

# Square

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



72.9092, 89.7544, 55.0766



68.7080, 89.7544, 140.0837



99.0403, 89.7544, 158.1293

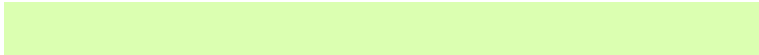


104.3890, 89.7544, 64.9058

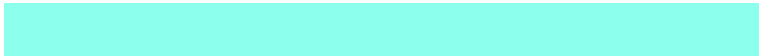


# Rectangle

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



72.9092, 89.7544, 55.0766



65.1160, 89.7544, 93.6357



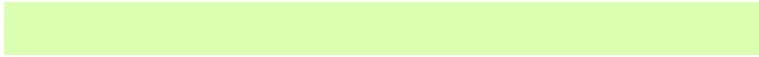
99.0403, 89.7544, 158.1293



109.2963, 89.7544, 101.9364

# Sweetspot

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



72.9096, 89.7546, 55.0779



87.7824, 96.6551, 90.4108



72.7449, 71.5721, 51.5770



18.5505, 20.5781, 18.7576



0.0000, 0.0000, 0.0000

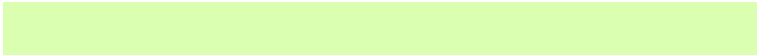


20.3446, 21.4041, 23.3091

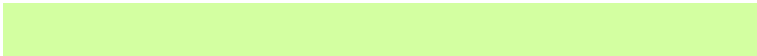


# Same Dimension

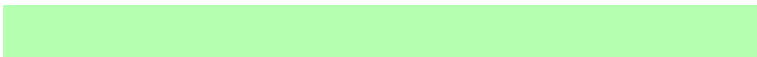
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9096, 89.7546, 55.0779



69.1561, 87.9968, 46.8968



62.7292, 84.5064, 54.6015



18.7059, 20.6498, 19.1442



24.2765, 40.2531, 6.4901



2.4898, 3.9843, 0.6378



# Inverse Universe

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



61.2138, 52.8117, 101.5751



55.6897, 45.4528, 100.4458



73.5924, 59.1931, 102.1544



17.7998, 17.7885, 22.7453



13.4817, 5.8606, 49.8552

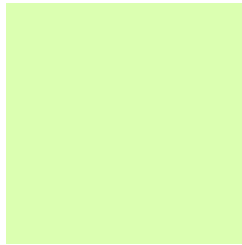


1.4371, 0.6348, 4.8600



# Previews

## White Background



This preview shows how the XYZ color 72.9092, 89.7544, 55.0766 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 72.9092, 89.7544, 55.0766 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

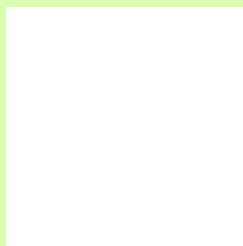
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.9092, 89.7544, 55.0766**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.9092, 89.7544, 55.0766.



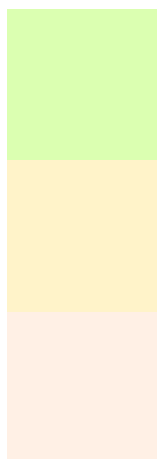
This preview shows how white text looks on a background with the XYZ color 72.9092, 89.7544,



# 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

72.9092, 89.7544, 55.0766

### Protanopia

83.8332, 89.5782, 68.1302

### Deuteranopia

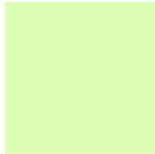
86.5429, 89.2373, 86.7920



## Tritanopia

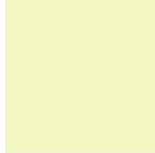
84.6927, 89.1541, 107.3524

# Trichromacy



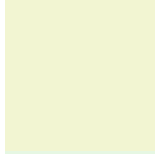
## Original Color

72.9092, 89.7544, 55.0766



## Protanomaly

79.3931, 89.2045, 62.9029



## Deuteranomaly

80.9032, 88.8352, 73.8556



## Tritanomaly

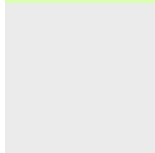
79.7590, 88.8906, 85.6269

# Monochromacy



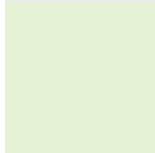
## Original Color

72.9092, 89.7544, 55.0766



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.2028, 85.0173, 76.0120

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9092, 89.7544, 55.0766 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(219, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 177)  
}
```

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(219, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9092, 89.7544, 55.0766 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(219, 255, 177) }
```



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

```
.border{ border-color:rgb(219, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9092, 89.7544, 55.0766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 177) }
```

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

```
.background{ background-color: rgb(219,  
255, 177) }
```

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