

# Converting Colors

XYZ(53.7684, 44.9788, 56.8055)

Have a look what the booklet for  
XYZ(53.7684, 44.9788, 56.8055)  
contains.

<b>XYZ(53.8143, 45.0222, 56.8928)</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(53.8143, 45.0222,  
56.8928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E39FC2
RGB	227, 159, 194
RGB Percent	89%, 62%, 76%
CMY	0.1098, 0.3764, 0.2392
CMYK	0.00, 0.30, 0.15, 0.11
HSL	329°, 55%, 76%
HSV	329°, 30%, 89%
XYZ	53.8143, 45.0222, 56.8928
YIQ	183.3220, 29.2930, 25.3010

# Conversions

## Conversions Part 2

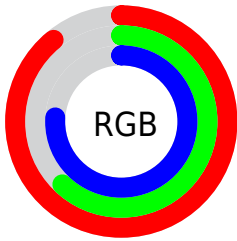
Format	Color
R <sub>Y</sub> B	227, 159, 194
Decimal	14917570
CIE Lab	72.91, 30.42, -7.80
CIE LCh	73, 31.407, 345.619
Yxy	45.0222, 0.3456, 0.2891
Android (android.graphics.Color)	4293107650 (0xFFE39FC2)
YUV	183.3220, 5.2643, 38.3056
Hunter-Lab	67.0986, 25.7378, -3.3029

# Details

The XYZ color **53.8143, 45.0222, 56.8928** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.2835, 66.1161, 59.9309**, and the grayscale version is **45.1483, 47.4995, 51.7270**.

A 20% lighter version of the original color is **82.5419, 76.2553, 100.8108**, and **26.7859, 21.0668, 27.4655** is the 20% darker color. If you saturate the color by 10%, you get **49.0716, 37.4437, 49.4321**, and if you desaturate by 10%, it is **59.3681, 54.0751, 65.0775**.

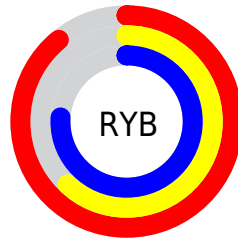
# Distribution



Red (89%)

Green (62%)

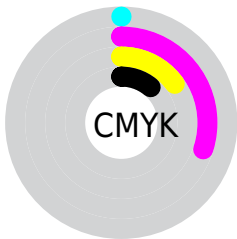
Blue (76%)



Red (89%)

Yellow (62%)

Blue (76%)

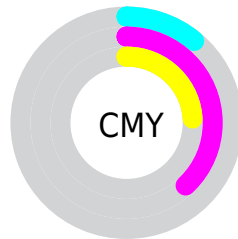


Cyan (0%)

Magenta (30%)

Yellow (15%)

Black (11%)



Cyan (11%)

Magenta (38%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8143, 45.0222, 56.8928 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 53.8143, 45.0222, 56.8928 by changing the saturation by 10% instead.




 53.8143, 45.0222,  
56.8928


 53.8143, 45.0222,  
56.8928


391.6114,  
366.8635, 430.5300

 38.6833, 31.4749,  
40.5104

 94.9600, 82.7537,  
101.8075

 26.6931, 20.9607,  
27.6199

 121.7055,  
107.7068, 131.1769

 17.4782, 13.0953,  
17.8028


153.0531,  
137.2305, 165.7124

 10.6734, 7.4942,  
10.6405

189.3682,  
171.7093, 205.8325

 5.9134, 3.7731,  
5.7145

231.0163,  
211.5276, 251.9558

 2.8326, 1.5474,  
2.6063

278.3626,

 1.0659, 0.3218,

257.0698, 304.5008

0.8957

331.7725,  
308.7203, 363.8860

■ 0.0000, 0.0000,  
0.0000

■ 53.8143, 45.0222,  
56.8928

■ 53.8143, 45.0222,  
56.8928

■ 49.0716, 37.4437,  
49.4321

■ 59.3681, 54.0751,  
65.0775

■ 45.0950, 31.2541,  
42.6691

■ 65.7674, 64.6695,  
74.0055

■ 41.8404, 26.3685,  
36.5797

■ 73.0491, 76.8759,  
83.6989

■ 39.2580, 22.6900,  
31.1366

■ 81.2468, 90.7587,  
94.1778

■ 37.2907, 20.1082,  
26.3100

■ 84.5510, 94.6959,  
103.5143

■ 35.8710, 18.4920,  
22.0662

■ 85.4888, 95.0710,  
108.4525

■ 34.8840, 17.6149,  
18.3550

■ 34.8798, 17.6114,  
18.3389

# Harmonies

## Analogous

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



50.7609, 45.0222, 73.2612



53.8143, 45.0222, 56.8928



53.7458, 45.0222, 41.3482

# Triad

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



53.8143, 45.0222, 56.8928



40.0216, 45.0222, 25.3517



35.8472, 45.0222, 73.8644

# Complementary

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



53.8143, 45.0222, 56.8928



51.2835, 66.1161, 59.9309

# 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.



33.4382, 45.0222, 57.5899



53.8143, 45.0222, 56.8928



35.7045, 45.0222, 30.8222

# Square

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



53.8143, 45.0222, 56.8928



45.4590, 45.0222, 25.2433



33.3884, 45.0222, 41.9119



40.2319, 45.0222, 84.3855



# Rectangle

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



53.8143, 45.0222, 56.8928



51.9275, 45.0222, 33.4836



33.3884, 45.0222, 41.9119



34.7966, 45.0222, 68.7474

# Sweetspot

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



53.8156, 45.0243, 56.8937



86.4188, 85.5246, 97.4311



47.9696, 41.5337, 78.1622



18.2177, 17.8400, 20.4740



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.



53.8156, 45.0243, 56.8937



66.0614, 52.2009, 67.8593



50.4352, 43.6721, 39.0927



14.6851, 14.4912, 16.5422



20.4011, 10.2947, 11.0072



1.5545, 0.7795, 1.0604



# Inverse Universe

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



53.8156, 45.0243, 56.8937



66.0614, 52.2009, 67.8593



55.4778, 67.7938, 82.0178



14.6851, 14.4912, 16.5422



20.4011, 10.2947, 11.0072



1.5545, 0.7795, 1.0604



# Previews

## White Background



This preview shows how the XYZ color 53.8143, 45.0222, 56.8928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

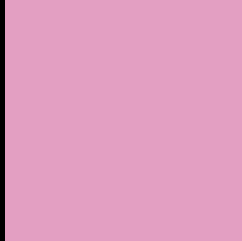
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8143, 45.0222, 56.8928 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 53.8143, 45.0222, 56.8928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8143, 45.0222, 56.8928.



This preview shows how white text looks on a background with the XYZ color 53.8143, 45.0222,



# 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

53.8143, 45.0222, 56.8928

### Protanopia

44.5165, 45.2957, 64.7892

### Deuteranopia

46.0259, 45.1101, 55.5715



## Tritanopia

51.7095, 44.9434, 46.5070

# Trichromacy



## Original Color

53.8143, 45.0222, 56.8928

## Protanomaly

47.2159, 44.7275, 62.0218

## Deuteranomaly

48.6042, 45.0191, 55.9970

## Tritanomaly

52.5524, 45.0359, 50.1790

# Monochromacy



## Original Color

53.8143, 45.0222, 56.8928

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

47.6589, 46.0021, 53.3811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8143, 45.0222, 56.8928 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, 159, 194)` looks like.

```
.text, #text, p{  
    color:rgb(227, 159, 194)  
}
```

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, 159, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 159, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8143, 45.0222, 56.8928 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, 159, 194) }
```



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

```
.border{ border-color:rgb(227, 159, 194) }
```

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

Here you see how a box with a 4 pixel rgb(227, 159, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 159, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 159, 194);  
box-shadow:4px 4px 4px 4px rgb(227, 159,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8143, 45.0222, 56.8928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 159, 194) }
```

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

```
.background{ background-color: rgb(227,  
159, 194) }
```

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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