

Converting Colors

XYZ(45.4482, 58.3891, 88.4403)

Have a look what the booklet for
XYZ(45.4482, 58.3891, 88.4403)
contains.

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Color

**XYZ(45.5467, 58.5654,
88.2606)**

Conversions

Conversions Part 1

Format	Color
Hex	67D9EC
RGB	103, 217, 236
RGB Percent	40%, 85%, 93%
CMY	0.5961, 0.1490, 0.0745
CMYK	0.56, 0.08, 0.00, 0.07
HSL	189°, 78%, 66%
HSV	189°, 56%, 93%
XYZ	45.5467, 58.5654, 88.2606
YIQ	185.0800, -74.0430, -18.2590

Conversions

Conversions Part 2

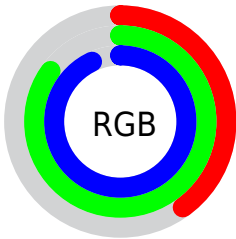
Format	Color
RYB	103, 164, 236
Decimal	6805996
CIELab	81.05, -27.06, -19.15
CIELCh	81, 33.149, 215.286
Yxy	58.5654, 0.2368, 0.3044
Android (android.graphics.Color)	4284996076 (0xFF67D9EC)
YUV	185.0800, 25.1036, -71.9842
Hunter-Lab	76.5280, -27.6874, -14.8102

Details

The XYZ color **45.5467, 58.5654, 88.2606** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.0012, 32.7327, 16.8326**, and the grayscale version is **46.0546, 48.4531, 52.7654**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **21.6105, 29.3690, 47.7098** is the 20% darker color. If you saturate the color by 10%, you get **42.3525, 55.6431, 87.8660**, and if you desaturate by 10%, it is **49.5261, 61.9214, 88.6997**.

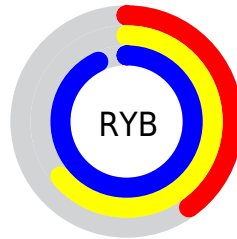
Distribution



Red (40%)

Green (85%)

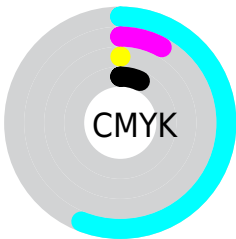
Blue (93%)



Red (40%)

Yellow (64%)

Blue (93%)

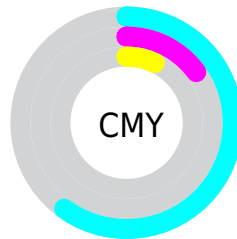


Cyan (56%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (60%)

Magenta (15%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5467, 58.5654, 88.2606 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 45.5467, 58.5654, 88.2606 by changing the saturation by 10% instead.

45.5467, 58.5654,
88.2606

45.5467, 58.5654,
88.2606

359.7298,
419.2895, 542.7797

32.0914, 42.2634,
65.9733

82.7722, 102.7458,
146.8342

21.5872, 29.3076,
47.7944

107.2731,
131.3929, 183.9577

13.6688, 19.3136,
33.3053

136.1866,
164.9238, 226.8637

7.9708, 11.8971,
22.0874

169.8779,
203.7229, 275.9707

4.1279, 6.6737,
13.7222

208.7126,
248.1747, 331.6972

1.7748, 3.2589,
7.7912

253.0559,

0.5024, 1.2683,

298.6634, 394.4619

3.8758

303.2732,
355.5735, 464.6832

■ 0.0000, 0.1165,
1.5574

■ 0.0000, 0.0000,
0.2602

■ 45.5467, 58.5654,
88.2606

■ 45.5467, 58.5654,
88.2606

■ 42.3525, 55.6431,
87.8660

■ 49.5261, 61.9214,
88.6997

■ 39.8717, 53.1135,
87.5085

■ 54.3437, 65.7347,
89.1818

■ 38.0287, 50.9388,
87.1858

■ 60.0542, 70.0350,
89.7109

■ 36.7268, 49.0689,
86.8935

■ 66.7062, 74.8474,
90.2892

■ 36.3289, 48.4330,
86.7918

■ 74.3444, 80.1952,
90.9188

■ 83.0110, 86.1003,
91.6018

■ 87.7182, 89.9915,
92.1048

■ 88.7232, 92.0015,
92.4398

■ 89.7468, 94.0487,
92.7810

Harmonies

Analogous

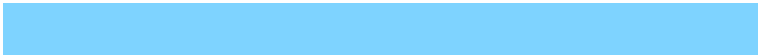
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.5005, 58.5654, 67.3235



45.5467, 58.5654, 88.2606



50.3135, 58.5654, 104.7612

Triad

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



45.5467, 58.5654, 88.2606



68.5714, 58.5654, 80.9606



54.4544, 58.5654, 32.9858

Complementary

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



45.5467, 58.5654, 88.2606



44.0012, 32.7327, 16.8326

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.



61.3824, 58.5654, 35.1650



45.5467, 58.5654, 88.2606



69.9081, 58.5654, 60.3395

Square

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



45.5467, 58.5654, 88.2606



63.6640, 58.5654, 99.9746



67.1800, 58.5654, 44.2854



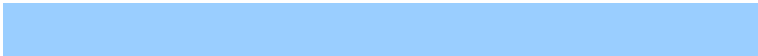
48.3652, 58.5654, 37.5656

Rectangle

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



45.5467, 58.5654, 88.2606



54.5843, 58.5654, 109.4848



67.1800, 58.5654, 44.2854



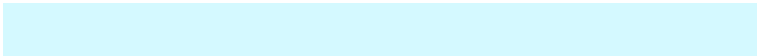
56.7592, 58.5654, 32.9645

Sweetspot

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



45.5485, 58.5676, 88.2620



78.9168, 88.7975, 107.5880



39.0254, 64.2498, 28.3500



16.5327, 18.7497, 22.9976



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.



45.5485, 58.5676, 88.2620



49.8559, 65.7177, 104.6649



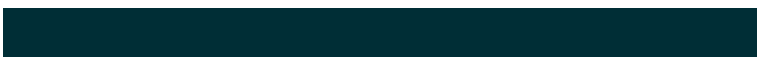
31.9260, 31.3225, 83.7211



15.3236, 16.7337, 19.3445



20.0982, 26.8433, 47.8650



1.6284, 2.2084, 3.7753

Inverse Universe

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



51.9683, 32.5449, 69.1907



58.5425, 32.9605, 78.3089



54.8616, 54.4537, 20.4528



15.6169, 15.2746, 18.5339



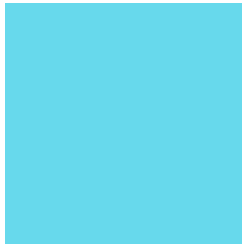
24.9999, 12.2027, 32.1306



1.9885, 0.9683, 2.6566

Previews

White Background



This preview shows how the XYZ color 45.5467, 58.5654, 88.2606 looks on a white background.

Color Contrast Check

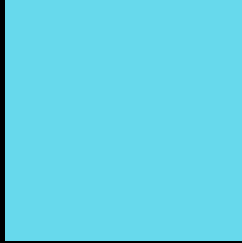
Large Text (above 18pt) WCAG AA × Fail

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 45.5467, 58.5654, 88.2606 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 45.5467, 58.5654, 88.2606

Background



This preview shows how black text looks on a background with the XYZ color 45.5467, 58.5654, 88.2606.



This preview shows how white text looks on a background with the XYZ color 45.5467, 58.5654,

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

45.5467, 58.5654, 88.2606

Protanopia

56.6429, 57.9644, 78.7239

Deuteranopia

59.1703, 57.9728, 91.2904



Tritanopia

45.4018, 58.5074, 87.4974

Trichromacy



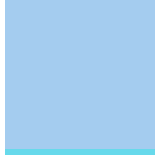
Original Color

45.5467, 58.5654, 88.2606



Protanomaly

50.9752, 57.4254, 81.7963



Deuteranomaly

52.4827, 57.3102, 89.9572



Tritanomaly

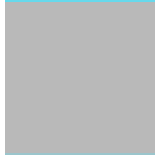
45.4018, 58.5074, 87.4974

Monochromacy



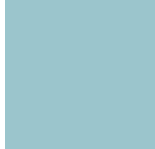
Original Color

45.5467, 58.5654, 88.2606



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

44.3829, 51.2607, 64.6818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5467, 58.5654, 88.2606 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(103, 217, 236)` looks like.

```
.text, #text, p{  
    color:rgb(103, 217, 236)  
}
```

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(103, 217, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 217, 236) }
```

Border

The CSS property to change the border of an element to XYZ 45.5467, 58.5654, 88.2606 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(103, 217, 236) }
```


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

```
.border{ border-color:rgb(103, 217, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 217, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 217, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 217, 236);  
box-shadow:4px 4px 4px 4px rgb(103, 217,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5467, 58.5654, 88.2606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 217, 236) }
```

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

```
.background{ background-color: rgb(103,  
217, 236) }
```

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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