

Converting Colors

XYZ(45.5705, 58.2461, 85.9316)

Have a look what the booklet for
XYZ(45.5705, 58.2461, 85.9316)
contains.

XYZ(45.5705, 58.2461, 85.9316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.5705, 58.2461,
85.9316)**

Conversions

Conversions Part 1

Format	Color
Hex	6DD8E9
RGB	109, 216, 233
RGB Percent	43%, 85%, 91%
CMY	0.5725, 0.1529, 0.0863
CMYK	0.53, 0.07, 0.00, 0.09
HSL	188°, 74%, 67%
HSV	188°, 53%, 91%
XYZ	45.5705, 58.2461, 85.9316
YIQ	185.9450, -69.2290, -17.3970

Conversions

Conversions Part 2

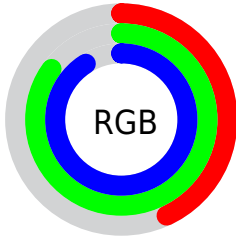
Format	Color
RYB	109, 166, 233
Decimal	7198953
CIELab	80.88, -26.23, -17.80
CIELCh	81, 31.697, 214.160
Yxy	58.2461, 0.2402, 0.3070
Android (android.graphics.Color)	4285389033 (0xFF6DD8E9)
YUV	185.9450, 23.1981, -67.4808
Hunter-Lab	76.3191, -26.9753, -13.3342

Details

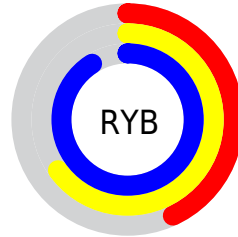
The XYZ color **45.5705, 58.2461, 85.9316** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.8267, 33.3508, 18.5971**, and the grayscale version is **46.5450, 48.9690, 53.3272**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **21.5951, 29.1355, 46.0805** is the 20% darker color. If you saturate the color by 10%, you get **42.2652, 55.3404, 85.5460**, and if you desaturate by 10%, it is **49.6549, 61.5797, 86.3608**.

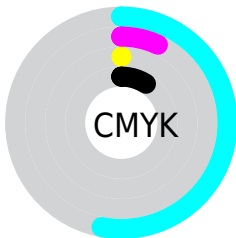
Distribution



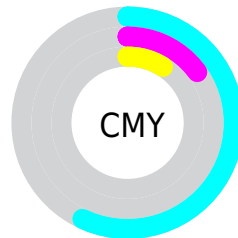
- Red (43%)
- Green (85%)
- Blue (91%)



- Red (43%)
- Yellow (65%)
- Blue (91%)



- Cyan (53%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (57%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5705, 58.2461, 85.9316 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 45.5705, 58.2461, 85.9316 by changing the saturation by 10% instead.

45.5705, 58.2461,
85.9316

45.5705, 58.2461,
85.9316

359.8242,
418.1023, 534.9304

32.1102, 42.0065,
64.0568

82.8077, 102.2812,
143.5597

21.6017, 29.1064,
46.2502

107.3152,
130.8454, 180.1502

13.6795, 19.1613,
32.0932

136.2360,
164.2867, 222.4830

7.9783, 11.7869,
21.1673

169.9352,
202.9894, 270.9766

4.1327, 6.5987,
13.0539

208.7783,
247.3379, 326.0496

1.7775, 3.2125,
7.3345

253.1305,

0.5041, 1.2436,

297.7167, 388.1205

3.5906

303.3574,
354.5100, 457.6080

■ 0.0000, 0.0969,
1.4035

■ 0.0000, 0.0000,
0.1445

■ 45.5705, 58.2461,
85.9316

■ 45.5705, 58.2461,
85.9316

■ 42.2652, 55.3404,
85.5460

■ 49.6549, 61.5797,
86.3608

■ 39.6720, 52.8239,
85.1970

■ 54.5678, 65.3628,
86.8321

■ 37.7217, 50.6623,
84.8825

■ 60.3608, 69.6235,
87.3492

■ 36.3281, 48.8108,
84.5986

■ 67.0796, 74.3855,
87.9142

■ 35.6089, 47.6846,
84.4191

■ 74.7670, 79.6709,
88.5292

■ 83.4627, 85.5005,
89.1961

■ 86.6283, 88.5035,
89.6089

■ 87.5684, 90.3837,
89.9223

■ 88.5251, 92.2972,
90.2412

Harmonies

Analogous

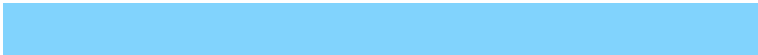
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.7150, 58.2461, 66.0758



45.5705, 58.2461, 85.9316



50.0460, 58.2461, 101.7832

Triad

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



45.5705, 58.2461, 85.9316



67.5009, 58.2461, 80.4949



54.4515, 58.2461, 33.7946

Complementary

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



45.5705, 58.2461, 85.9316



43.8267, 33.3508, 18.5971

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.



61.0400, 58.2461, 36.1579



45.5705, 58.2461, 85.9316



68.9114, 58.2461, 60.8365

Square

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



45.5705, 58.2461, 85.9316



62.7464, 58.2461, 98.2345



66.4624, 58.2461, 45.2295



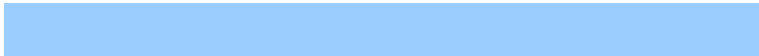
48.5794, 58.2461, 37.9891

Rectangle

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



45.5705, 58.2461, 85.9316



54.0883, 58.2461, 106.5473



66.4624, 58.2461, 45.2295



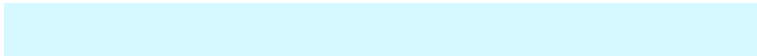
56.6538, 58.2461, 33.8553

Sweetspot

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



45.5723, 58.2483, 85.9330



79.8416, 89.5494, 107.6844



39.1829, 63.0247, 29.6828



16.7187, 18.9055, 23.0179



0.0000, 0.0000, 0.0000



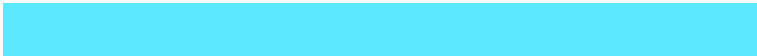
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5723, 58.2483, 85.9330



51.4773, 67.5522, 104.9335



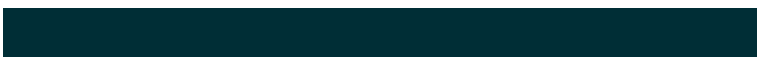
32.6491, 32.4018, 81.6252



15.3314, 16.7492, 19.3471



20.2728, 27.1926, 47.9232



1.6405, 2.2325, 3.7793

Inverse Universe

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



51.4691, 33.2204, 68.6675



59.7047, 34.7416, 80.3712



54.2497, 54.1968, 22.0714



15.6208, 15.2762, 18.5545



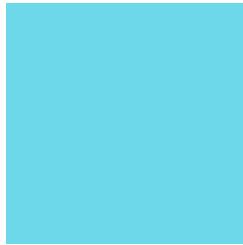
25.0881, 12.2379, 32.5948



1.9946, 0.9708, 2.6887

Previews

White Background



This preview shows how the XYZ color 45.5705, 58.2461, 85.9316 looks on a white background.

Color Contrast Check

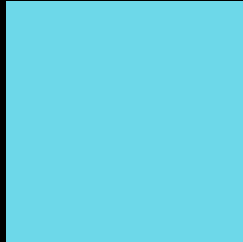
Large Text (above 18pt) WCAG AA × Fail

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 45.5705, 58.2461, 85.9316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

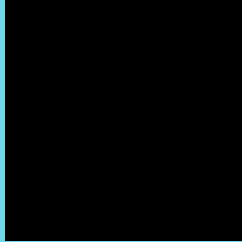
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5705, 58.2461, 85.9316

Background



This preview shows how black text looks on a background with the XYZ color 45.5705, 58.2461, 85.9316.



This preview shows how white text looks on a background with the XYZ color 45.5705, 58.2461,

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

45.5705, 58.2461, 85.9316

Protanopia

56.2712, 57.4789, 76.5353

Deuteranopia

58.7671, 57.4826, 88.8868



Tritanopia

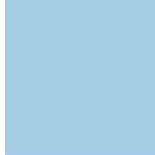
45.5705, 58.2461, 85.9316

Trichromacy



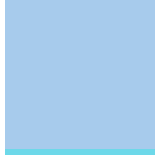
Original Color

45.5705, 58.2461, 85.9316



Protanomaly

50.9390, 57.0982, 79.5705



Deuteranomaly

52.4326, 56.9835, 87.5923



Tritanomaly

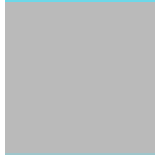
45.5705, 58.2461, 85.9316

Monochromacy



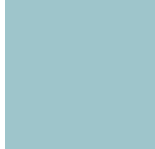
Original Color

45.5705, 58.2461, 85.9316



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.8463, 51.5134, 64.0793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5705, 58.2461, 85.9316 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(109, 216, 233)` looks like.

```
.text, #text, p{  
    color:rgb(109, 216, 233)  
}
```

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(109, 216, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 216, 233) }
```

Border

The CSS property to change the border of an element to XYZ 45.5705, 58.2461, 85.9316 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(109, 216, 233) }
```


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

```
.border{ border-color:rgb(109, 216, 233) }
```

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

Here you see how a box with a 4 pixel rgb(109, 216, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 216, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 216, 233);  
box-shadow:4px 4px 4px 4px rgb(109, 216,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5705, 58.2461, 85.9316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 216, 233) }
```

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

```
.background{ background-color: rgb(109,  
216, 233) }
```

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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