

# Converting Colors

XYZ(46.1008, 58.8902, 86.7906)

Have a look what the booklet for  
XYZ(46.1008, 58.8902, 86.7906)  
contains.

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# Color

**XYZ(46.0945, 58.8812,  
86.7777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6ED9EA
RGB	110, 217, 234
RGB Percent	43%, 85%, 92%
CMY	0.5686, 0.1490, 0.0823
CMYK	0.53, 0.07, 0.00, 0.08
HSL	188°, 75%, 67%
HSV	188°, 53%, 92%
XYZ	46.0945, 58.8812, 86.7777
YIQ	186.9450, -69.2290, -17.3970

# Conversions

## Conversions Part 2

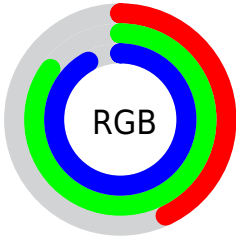
Format	Color
<a href="#">RYB</a>	<a href="#">110, 167, 234</a>
Decimal	<a href="#">7264746</a>
CIELab	<a href="#">81.23, -26.25, -17.80</a>
CIElCh	<a href="#">81, 31.712, 214.142</a>
Yxy	<a href="#">58.8812, 0.2404, 0.3071</a>
Android (android.graphics.Color)	<a href="#">4285454826 (0xFF6ED9EA)</a>
YUV	<a href="#">186.9450, 23.1981, -67.4808</a>
Hunter-Lab	<a href="#">76.7341, -27.0589, -13.3365</a>

# Details

The XYZ color **46.0945, 58.8812, 86.7777** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.3367, 33.7982, 18.9403**, and the grayscale version is **47.1060, 49.5592, 53.9700**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **21.9111, 29.5473, 46.6678** is the 20% darker color. If you saturate the color by 10%, you get **42.7401, 55.9376, 86.3874**, and if you desaturate by 10%, it is **50.2372, 62.2576, 87.2121**.

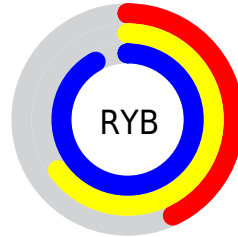
# Distribution



Red (43%)

Green (85%)

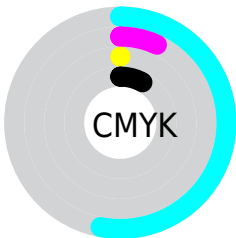
Blue (92%)



Red (43%)

Yellow (65%)

Blue (92%)

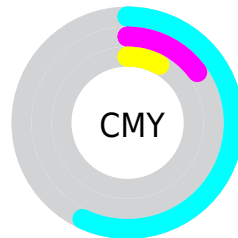


Cyan (53%)

Magenta (7%)

Yellow (0%)

Black (8%)



Cyan (57%)

Magenta (15%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0945, 58.8812, 86.7777 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 46.0945, 58.8812, 86.7777 by changing the saturation by 10% instead.





 46.0945, 58.8812,  
86.7777


 46.0945, 58.8812,  
86.7777

361.8980,  
420.4615, 537.7893


 32.5253, 42.5175,  
64.7527


 83.5874, 103.2050,  
144.7504

 21.9206, 29.5067,  
46.8105


 108.2419,  
131.9338, 181.5351

 13.9148, 19.4645,  
32.5326

 137.3221,  
165.5532, 224.0769

 8.1427, 12.0064,  
21.5004

171.1936,  
204.4475, 272.7941

 4.2390, 6.7480,  
13.2955

210.2215,  
249.0011, 328.1055

 1.8382, 3.3050,  
7.4992

254.7713,

 0.5405, 1.2930,

299.5983, 390.4294

3.6931

305.2084,  
356.6237, 460.1845

■ 0.0000, 0.1358,  
1.4585

■ 0.0000, 0.0000,  
0.1867

■ 46.0945, 58.8812,  
86.7777

■ 46.0945, 58.8812,  
86.7777

■ 42.7401, 55.9376,  
86.3874

■ 50.2372, 62.2576,  
87.2121

■ 40.1065, 53.3881,  
86.0341


■ 55.2180, 66.0887,  
87.6891


■ 38.1240, 51.1978,  
85.7158


■ 61.0890, 70.4029,  
88.2124


■ 36.7060, 49.3220,  
85.4285


■ 67.8963, 75.2240,  
88.7842


 35.9540, 48.1457,  
85.2411

 75.6829, 80.5744,  
89.4065

 84.4892, 86.4749,  
90.0813

 87.0923, 89.2022,  
90.4705

 88.0422, 91.1020,  
90.7871

 89.0089, 93.0353,  
91.1093

# Harmonies

## Analogous

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



44.2255, 58.8812, 66.7756



46.0945, 58.8812, 86.7777



50.6046, 58.8812, 102.7444

# Triad

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



46.0945, 58.8812, 86.7777



68.1937, 58.8812, 81.3264



55.0522, 58.8812, 34.2379

# Complementary

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



46.0945, 58.8812, 86.7777



44.3367, 33.7982, 18.9403

# 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.



61.6908, 58.8812, 36.6268



46.0945, 58.8812, 86.7777



69.6168, 58.8812, 61.5194

# Square

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



46.0945, 58.8812, 86.7777



63.4024, 58.8812, 99.1874



67.1522, 58.8812, 45.7820



49.1329, 58.8812, 38.4661

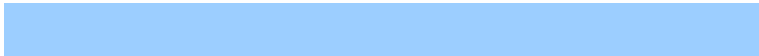


# Rectangle

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



46.0945, 58.8812, 86.7777



54.6781, 58.8812, 107.5461



67.1522, 58.8812, 45.7820



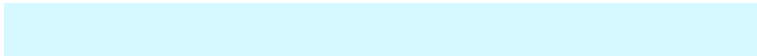
57.2716, 58.8812, 34.3004

# Sweetspot

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



46.0963, 58.8834, 86.7791



79.8416, 89.5495, 107.6844



39.6550, 63.6821, 30.1231



16.7187, 18.9055, 23.0179



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

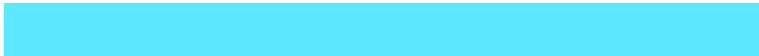


# Same Dimension

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



46.0963, 58.8834, 86.7791



51.4773, 67.5523, 104.9335



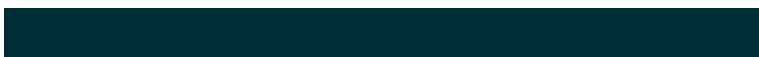
33.0824, 32.8556, 82.4411



15.3314, 16.7492, 19.3471



20.2729, 27.1927, 47.9232



1.6405, 2.2325, 3.7793



# Inverse Universe

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



52.0335, 33.6556, 69.4017



59.7047, 34.7416, 80.3713



54.8449, 54.8146, 22.4430



15.6208, 15.2762, 18.5545



25.0881, 12.2379, 32.5949

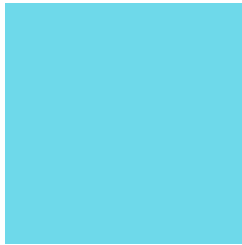


1.9946, 0.9708, 2.6887



# Previews

## White Background



This preview shows how the XYZ color 46.0945, 58.8812, 86.7777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

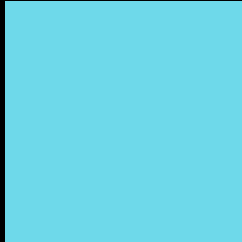
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.0945, 58.8812, 86.7777 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 46.0945, 58.8812, 86.7777**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.0945, 58.8812, 86.7777.



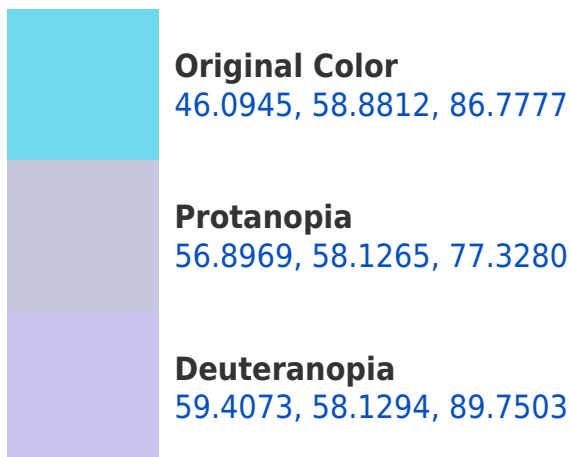
This preview shows how white text looks on a background with the XYZ color 46.0945, 58.8812,



# 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





## Tritanopia

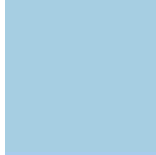
46.0945, 58.8812, 86.7777

# Trichromacy



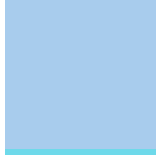
## Original Color

46.0945, 58.8812, 86.7777



## Protanomaly

51.5247, 57.7406, 80.3809



## Deuteranomaly

53.0274, 57.6250, 88.4487



## Tritanomaly

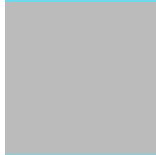
46.0945, 58.8812, 86.7777

# Monochromacy



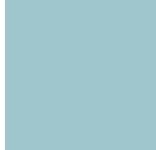
## Original Color

46.0945, 58.8812, 86.7777



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

45.3912, 52.1187, 64.7943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0945, 58.8812, 86.7777 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(110, 217, 234)` looks like.

```
.text, #text, p{  
    color:rgb(110, 217, 234)  
}
```

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(110, 217, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 217, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0945, 58.8812, 86.7777 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(110, 217, 234) }
```



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

```
.border{ border-color:rgb(110, 217, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 217, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 217, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 217, 234);  
box-shadow:4px 4px 4px 4px rgb(110, 217,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0945, 58.8812, 86.7777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 217, 234) }
```

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

```
.background{ background-color: rgb(110,  
217, 234) }
```

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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