

# Converting Colors

XYZ(45.1466, 60.5306, 60.5232)

Have a look what the booklet for  
XYZ(45.1466, 60.5306, 60.5232)  
contains.

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# Color

**XYZ(45.1098, 60.5135,  
60.3417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84DDC2
RGB	132, 221, 194
RGB Percent	52%, 87%, 76%
CMY	0.4823, 0.1333, 0.2392
CMYK	0.40, 0.00, 0.12, 0.13
HSL	162°, 57%, 69%
HSV	162°, 40%, 87%
XYZ	45.1098, 60.5135, 60.3417
YIQ	191.3110, -44.3770, -27.2650

# Conversions

## Conversions Part 2

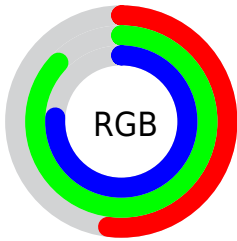
Format	Color
<a href="#">RYB</a>	<a href="#">132, 184, 221</a>
Decimal	<a href="#">8707522</a>
CIELab	<a href="#">82.12, -32.90, 4.89</a>
CIELCh	<a href="#">82, 33.262, 171.551</a>
Yxy	<a href="#">60.5135, 0.2718, 0.3646</a>
Android (android.graphics.Color)	<a href="#">4286897602 (0xFF84DDC2)</a>
YUV	<a href="#">191.3110, 1.3257, -52.0157</a>
Hunter-Lab	<a href="#">77.7904, -32.6231, 8.4623</a>

# Details

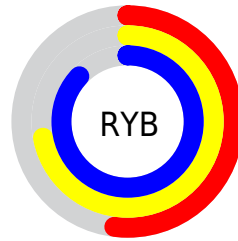
The XYZ color **45.1098, 60.5135, 60.3417** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.3301, 34.3795, 37.1027**, and the grayscale version is **49.7141, 52.3032, 56.9581**.

A 20% lighter version of the original color is **73.7544, 89.1135, 103.7558**, and **21.1692, 30.3402, 29.5515** is the 20% darker color. If you saturate the color by 10%, you get **41.2772, 58.6244, 56.3205**, and if you desaturate by 10%, it is **49.7118, 62.7985, 64.5789**.

# Distribution



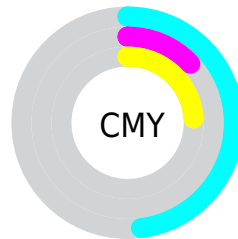
- Red (52%)
- Green (87%)
- Blue (76%)



- Red (52%)
- Yellow (72%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)



- Cyan (48%)
- Magenta (13%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1098, 60.5135, 60.3417 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 45.1098, 60.5135, 60.3417 by changing the saturation by 10% instead.



45.1098, 60.5135,  
60.3417

45.1098, 60.5135,  
60.3417

357.9943,  
426.4879, 443.6957

31.7456, 43.8327,  
43.2670

82.1212, 105.5742,  
106.8734

21.3218, 30.5390,  
29.7617

106.4991,  
134.7229, 137.1675

13.4733, 20.2480,  
19.4073

135.2789,  
168.7963, 172.7052

7.8345, 12.5755,  
11.7852

168.8260,  
208.1788, 213.9049

4.0401, 7.1369,  
6.4768

207.5057,  
253.2548, 261.1853

1.7249, 3.5479,  
3.0637

251.6834,

0.4718, 1.4240,

304.4087, 314.9649

1.1272

301.7245,  
362.0250, 375.6621

■ 0.0000, 0.2343,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.1098, 60.5135,  
60.3417

■ 45.1098, 60.5135,  
60.3417

■ 41.2772, 58.6244,  
56.3205

■ 49.7118, 62.7985,  
64.5789

■ 38.1619, 57.0996,  
52.5066


■ 55.1210, 65.4941,  
69.0323


■ 35.7132, 55.9145,  
48.8967


■ 61.3790, 68.6232,  
73.7073


■ 33.8710, 55.0385,  
45.4855


■ 68.5228, 72.2049,  
78.6079


 32.5644, 54.4348,  
42.2672


 76.5871, 76.2570,  
83.7377

 31.6863, 54.0466,  
39.3133

 81.9822, 78.9289,  
88.9309

 82.9654, 79.3222,  
94.1081

 83.9854, 79.7302,  
99.4794

 85.0427, 80.1531,  
105.0470

# Harmonies

## Analogous

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



47.5292, 60.5135, 44.5556



45.1098, 60.5135, 60.3417



45.7948, 60.5135, 81.2216

# Triad

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



45.1098, 60.5135, 60.3417



62.6467, 60.5135, 109.0521



66.3744, 60.5135, 39.8969

# Complementary

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



45.1098, 60.5135, 60.3417



44.3301, 34.3795, 37.1027

# 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.



71.0844, 60.5135, 52.6185



45.1098, 60.5135, 60.3417



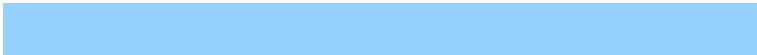
68.8126, 60.5135, 93.1320

# Square

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



45.1098, 60.5135, 60.3417



55.5452, 60.5135, 112.2953



72.0114, 60.5135, 71.7661



59.5334, 60.5135, 34.4368



# Rectangle

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



45.1098, 60.5135, 60.3417



47.9462, 60.5135, 95.1767



72.0114, 60.5135, 71.7661



68.2818, 60.5135, 43.3254

# Sweetspot

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



45.1115, 60.5159, 60.3431



83.2156, 94.0677, 100.7315



44.5571, 60.8739, 31.2323



17.5591, 20.0080, 21.3763



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

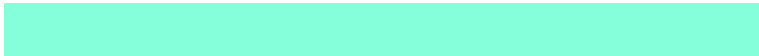


# Same Dimension

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



45.1115, 60.5159, 60.3431



58.0070, 81.5289, 78.9163



44.3244, 53.6396, 76.4268



13.2678, 14.7588, 15.8734



18.4588, 31.4162, 23.1133



1.2335, 2.0503, 1.6954



# Inverse Universe

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



44.3301, 34.3795, 37.1027



56.8035, 40.8180, 42.7838



44.6252, 38.3191, 26.8751



13.2178, 13.1162, 14.4084



17.9558, 9.1834, 4.1473



1.2010, 0.6100, 0.4673



# Previews

## White Background



This preview shows how the XYZ color 45.1098, 60.5135, 60.3417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

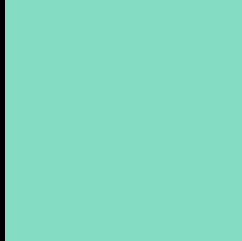
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.1098, 60.5135, 60.3417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

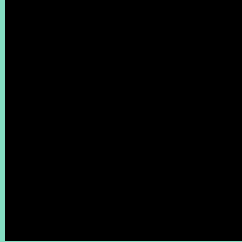
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.1098, 60.5135, 60.3417

## Background



This preview shows how black text looks on a background with the XYZ color 45.1098, 60.5135, 60.3417.



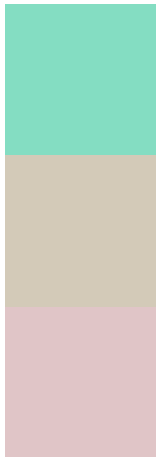
This preview shows how white text looks on a background with the XYZ color 45.1098, 60.5135,



# 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

45.1098, 60.5135, 60.3417

### Protanopia

56.6362, 59.5506, 53.8568

### Deuteranopia

61.0155, 59.9033, 62.3795



## **Tritanopia**

50.1637, 60.2349, 86.0734

# Trichromacy



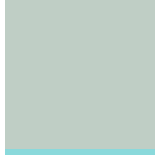
## Original Color

45.1098, 60.5135, 60.3417



## Protanomaly

51.1690, 59.1769, 56.3023



## Deuteranomaly

53.6352, 59.2502, 61.4329



## Tritanomaly

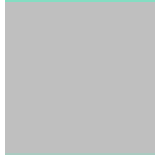
48.0803, 60.1435, 76.0926

# Monochromacy



## Original Color

45.1098, 60.5135, 60.3417



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

47.2125, 54.5929, 57.9183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.1098, 60.5135, 60.3417 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(132, 221, 194)` looks like.

```
.text, #text, p{  
    color:rgb(132, 221, 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(132, 221, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 221, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 45.1098, 60.5135, 60.3417 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(132, 221, 194) }
```



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

```
.border{ border-color:rgb(132, 221, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 221, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 221, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 221, 194);  
box-shadow:4px 4px 4px 4px rgb(132, 221,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.1098, 60.5135, 60.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 221, 194) }
```

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

```
.background{ background-color: rgb(132,  
221, 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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