

# Converting Colors

XYZ(45.8224, 58.0857, 63.5886)

Have a look what the booklet for  
XYZ(45.8224, 58.0857, 63.5886)  
contains.

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# Color

**XYZ(45.7996, 58.1029,  
63.4447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FD6C8
RGB	143, 214, 200
RGB Percent	56%, 84%, 78%
CMY	0.4392, 0.1608, 0.2157
CMYK	0.33, 0.00, 0.07, 0.16
HSL	168°, 46%, 70%
HSV	168°, 33%, 84%
XYZ	45.7996, 58.1029, 63.4447
YIQ	191.1750, -37.8220, -19.4060

# Conversions

## Conversions Part 2

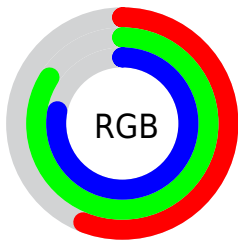
Format	Color
<a href="#">RYB</a>	<a href="#">143, 182, 214</a>
Decimal	<a href="#">9426632</a>
CIELab	<a href="#">80.80, -25.23, -0.16</a>
CIELCh	<a href="#">81, 25.232, 180.360</a>
Yxy	<a href="#">58.1029, 0.2737, 0.3472</a>
Android (android.graphics.Color)	<a href="#">4287616712</a> ( <a href="#">0xFF8FD6C8</a> )
YUV	<a href="#">191.1750, 4.3507, -42.2495</a>
Hunter-Lab	<a href="#">76.2253, -26.1433, 4.0087</a>

# Details

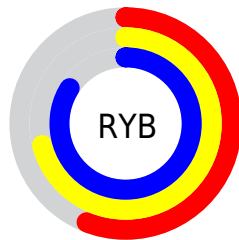
The XYZ color **45.7996, 58.1029, 63.4447** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6418, 36.3770, 36.6219**, and the grayscale version is **49.6154, 52.1992, 56.8450**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **21.7063, 28.9954, 31.6468** is the 20% darker color. If you saturate the color by 10%, you get **41.9563, 56.1793, 60.7264**, and if you desaturate by 10%, it is **50.3665, 60.4009, 66.2704**.

# Distribution



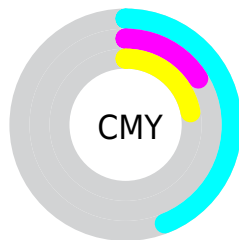
- Red (56%)
- Green (84%)
- Blue (78%)



- Red (56%)
- Yellow (71%)
- Blue (84%)



- Cyan (33%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)




- Cyan (44%)
- Magenta (16%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7996, 58.1029, 63.4447 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 45.7996, 58.1029, 63.4447 by changing the saturation by 10% instead.




 45.7996, 58.1029,  
63.4447


 45.7996, 58.1029,  
63.4447


360.7318,  
417.5693, 455.3339

 32.2917, 41.8914,  
45.7578


 83.1487, 102.0727,  
111.4026

 21.7410, 29.0162,  
31.7074


 107.7206,  
130.5997, 142.5106

 13.7823, 19.0931,  
20.8752


136.7112,  
164.0008, 178.9294

 8.0501, 11.7376,  
12.8424

170.4858,  
202.6602, 221.0775

 4.1791, 6.5653,  
7.1907

209.4098,  
246.9623, 269.3735

 1.8039, 3.1917,  
3.5014

253.8486,

 0.5200, 1.2326,

297.2916, 324.2358

1.3560

304.1675,  
354.0325, 386.0831

■ 0.0000, 0.0881,  
0.1070

■ 0.0000, 0.0000,  
0.0000

■ 45.7996, 58.1029,  
63.4447

■ 45.7996, 58.1029,  
63.4447

■ 41.9563, 56.1793,  
60.7264

■ 50.3665, 60.4009,  
66.2704

■ 38.7913, 54.6023,  
58.1092

■ 55.6893, 63.0855,  
69.2019

■ 36.2617, 53.3514,  
55.5916

■ 61.8042, 66.1769,  
72.2427

■ 34.3176, 52.4007,  
53.1708

■ 68.7438, 69.6918,  
75.3948

■ 32.9017, 51.7208,  
50.8435

■ 76.5386, 73.6460,  
78.6602

■ 31.9445, 51.2759,  
48.6059

■ 78.9225, 74.8091,  
81.7462

■ 31.4747, 51.0660,  
47.1267

■ 79.5066, 75.0428,  
84.8224

■ 80.1051, 75.2822,  
87.9740

■ 80.7181, 75.5274,  
91.2017

# Harmonies

## Analogous

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



46.9664, 58.1029, 50.1079



45.7996, 58.1029, 63.4447



47.0230, 58.1029, 78.9039

# Triad

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



45.7996, 58.1029, 63.4447



60.4455, 58.1029, 91.3944



60.3298, 58.1029, 41.4579

# Complementary

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



45.7996, 58.1029, 63.4447



43.6418, 36.3770, 36.6219

# 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.



64.3294, 58.1029, 49.8410



45.7996, 58.1029, 63.4447



64.3991, 58.1029, 78.5426

# Square

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



45.7996, 58.1029, 63.4447



55.2881, 58.1029, 96.5151



65.8623, 58.1029, 63.0840



55.1621, 58.1029, 38.6896



# Rectangle

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



45.7996, 58.1029, 63.4447



49.0766, 58.1029, 88.0336



65.8623, 58.1029, 63.0840



61.8668, 58.1029, 43.6401

# Sweetspot

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



45.8013, 58.1052, 63.4460



85.4837, 95.1607, 104.2811



42.9500, 57.2669, 34.7776



18.0304, 20.2336, 22.1844



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.



45.8013, 58.1052, 63.4460



63.8755, 84.2838, 91.4114



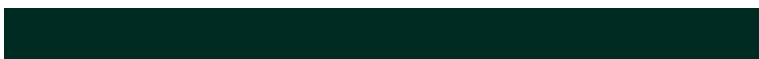
42.4708, 48.7041, 70.7834



12.6823, 14.0639, 15.4075



19.0612, 30.8798, 28.6815



1.1771, 1.8735, 1.8742



# Inverse Universe

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



43.6418, 36.3770, 36.6219



60.1853, 47.0641, 45.5061



46.0206, 42.9395, 31.8503



12.5224, 12.4604, 13.4251



17.0463, 8.7548, 2.2817

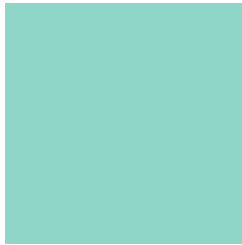


1.0578, 0.5399, 0.2940



# Previews

## White Background



This preview shows how the XYZ color 45.7996, 58.1029, 63.4447 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

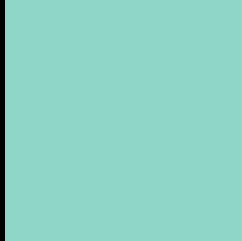
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.7996, 58.1029, 63.4447 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

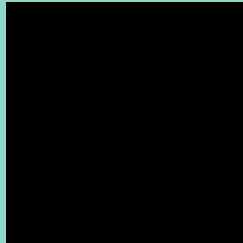
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

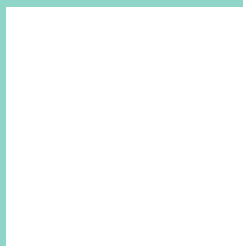
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.7996, 58.1029, 63.4447**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.7996, 58.1029, 63.4447.



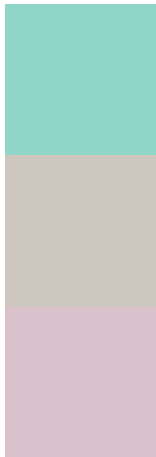
This preview shows how white text looks on a background with the XYZ color 45.7996, 58.1029,



# 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

45.7996, 58.1029, 63.4447

### Protanopia

55.0042, 57.5876, 57.5067

### Deuteranopia

58.8061, 57.6949, 65.1636



## Tritanopia

49.3061, 58.0288, 81.2750

# Trichromacy



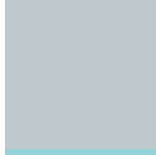
## Original Color

45.7996, 58.1029, 63.4447



## Protanomaly

50.6219, 57.0259, 59.3780



## Deuteranomaly

52.9013, 57.0322, 64.7200



## Tritanomaly

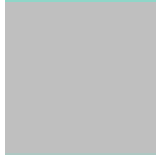
47.8513, 57.8013, 74.2804

# Monochromacy



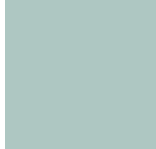
## Original Color

45.7996, 58.1029, 63.4447



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

47.6166, 53.7406, 58.9022

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.7996, 58.1029, 63.4447 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(143, 214, 200)` looks like.

```
.text, #text, p{  
    color:rgb(143, 214, 200)  
}
```

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(143, 214, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 214, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 45.7996, 58.1029, 63.4447 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(143, 214, 200) }
```



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

```
.border{ border-color:rgb(143, 214, 200) }
```

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

Here you see how a box with a 4 pixel rgb(143, 214, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 214, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 214, 200);  
box-shadow:4px 4px 4px 4px rgb(143, 214,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.7996, 58.1029, 63.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 214, 200) }
```

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

```
.background{ background-color: rgb(143,  
214, 200) }
```

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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