

# Converting Colors

XYZ(43.8211, 58.1921, 60.5904)

Have a look what the booklet for  
XYZ(43.8211, 58.1921, 60.5904)  
contains.

<b>XYZ(43.8691, 58.3117, 60.5729)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.8691, 58.3117,  
60.5729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82D9C3
RGB	130, 217, 195
RGB Percent	51%, 85%, 76%
CMY	0.4902, 0.1490, 0.2353
CMYK	0.40, 0.00, 0.10, 0.15
HSL	165°, 53%, 68%
HSV	165°, 40%, 85%
XYZ	43.8691, 58.3117, 60.5729
YIQ	188.4790, -44.7900, -25.2860

# Conversions

## Conversions Part 2

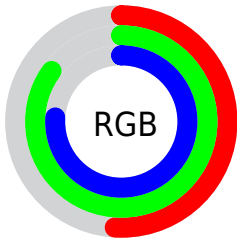
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">130, 180, 217</a>
Decimal	<a href="#">8575427</a>
CIELab	<a href="#">80.91, -31.32, 2.60</a>
CIELCh	<a href="#">81, 31.425, 175.253</a>
Yxy	<a href="#">58.3117, 0.2695, 0.3583</a>
Android (android.graphics.Color)	<a href="#">4286765507</a> ( <a href="#">0xFF82D9C3</a> )
YUV	<a href="#">188.4790, 3.2149, -51.2861</a>
Hunter-Lab	<a href="#">76.3621, -31.0876, 6.4227</a>

# Details

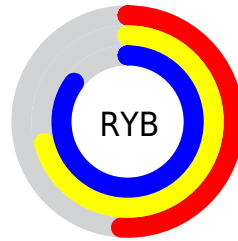
The XYZ color **43.8691, 58.3117, 60.5729** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.2674, 32.9855, 33.8471**, and the grayscale version is **48.0743, 50.5779, 55.0793**.

A 20% lighter version of the original color is **73.5804, 88.9874, 105.3936**, and **20.6297, 29.2596, 29.7597** is the 20% darker color. If you saturate the color by 10%, you get **40.2763, 56.5314, 57.2258**, and if you desaturate by 10%, it is **48.1900, 60.4676, 64.0756**.

# Distribution



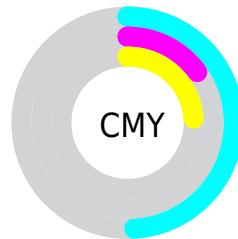
- Red (51%)
- Green (85%)
- Blue (76%)



- Red (51%)
- Yellow (71%)
- Blue (85%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (15%)




- Cyan (49%)
- Magenta (15%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8691, 58.3117, 60.5729 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 43.8691, 58.3117, 60.5729 by changing the saturation by 10% instead.





 43.8691, 58.3117,  
60.5729


 43.8691, 58.3117,  
60.5729


353.0351,  
418.3464, 444.5694

 30.7651, 42.0593,  
43.4523


 80.2683, 102.3766,  
107.2118

 20.5710, 29.1477,  
29.9061


 104.2942,  
130.9579, 137.5671

 12.9214, 19.1926,  
19.5159

 132.6914,  
164.4177, 173.1711

 7.4511, 11.8095,  
11.8631

165.8254,  
203.1402, 214.4422

 3.7946, 6.6141,  
6.5291

204.0613,  
247.5099, 261.7991

 1.5866, 3.2220,  
3.0954

247.7647,

 0.3837, 1.2487,

297.9113, 315.6602

1.1436

297.3008,  
354.7287, 376.4441

■ 0.0000, 0.1009,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.8691, 58.3117,  
60.5729

■ 43.8691, 58.3117,  
60.5729

■ 40.2763, 56.5314,  
57.2258

■ 48.1900, 60.4676,  
64.0756

■ 37.3617, 55.0967,  
54.0271


■ 53.2747, 63.0132,  
67.7331


■ 35.0773, 53.9842,  
50.9743


■ 59.1628, 65.9703,  
71.5498


■ 33.3663, 53.1648,  
48.0637


■ 65.8894, 69.3569,  
75.5284


 32.1610, 52.6036,  
45.2905


 73.4876, 73.1901,  
79.6718

 31.3465, 52.2409,  
42.6717

 80.0477, 76.4853,  
83.8917

 80.8216, 76.7949,  
87.9670

 81.6199, 77.1142,  
92.1708

 82.4428, 77.4434,  
96.5043

# Harmonies

## Analogous

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



45.7678, 58.3117, 45.1843



43.8691, 58.3117, 60.5729



44.8627, 58.3117, 80.0335

# Triad

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



43.8691, 58.3117, 60.5729



60.9330, 58.3117, 101.7152



62.8628, 58.3117, 38.3707

# Complementary

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



43.8691, 58.3117, 60.5729



42.2674, 32.9855, 33.8471

# 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.



67.5239, 58.3117, 49.4020



43.8691, 58.3117, 60.5729



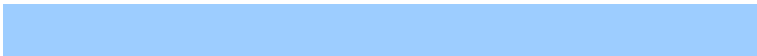
66.3499, 58.3117, 86.1761

# Square

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



43.8691, 58.3117, 60.5729



54.3948, 58.3117, 106.3016



68.8471, 58.3117, 66.5024



56.4651, 58.3117, 34.0642



# Rectangle

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



43.8691, 58.3117, 60.5729



47.0759, 58.3117, 92.4841



68.8471, 58.3117, 66.5024



64.7038, 58.3117, 41.2960

# Sweetspot

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



43.8707, 58.3140, 60.5742



83.4535, 94.1628, 101.9841



42.0186, 58.0317, 30.1067



17.6153, 20.0305, 21.6721



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.



43.8707, 58.3140, 60.5742



58.8305, 81.8583, 83.2528



41.6303, 49.5541, 73.0191



13.2969, 14.7704, 16.0262



19.0193, 31.6404, 26.0650



1.2661, 2.0634, 1.8671



# Inverse Universe

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



42.2674, 32.9855, 33.8471



56.2335, 40.5900, 39.7823



43.6007, 38.2736, 26.2096



13.1905, 13.1053, 14.2643



17.7740, 9.1106, 3.1901

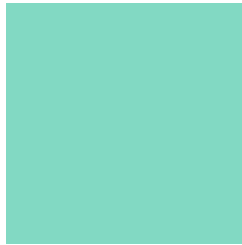


1.1862, 0.6041, 0.3895



# Previews

## White Background



This preview shows how the XYZ color 43.8691, 58.3117, 60.5729 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

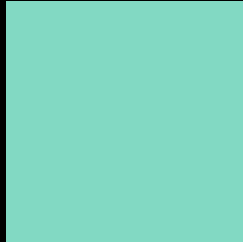
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.8691, 58.3117, 60.5729 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

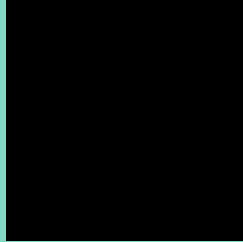
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.8691, 58.3117, 60.5729**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8691, 58.3117, 60.5729.



This preview shows how white text looks on a background with the XYZ color 43.8691, 58.3117,



# 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

43.8691, 58.3117, 60.5729

### Protanopia

54.9125, 57.6150, 54.1256

### Deuteranopia

58.7087, 57.3701, 62.6228



## Tritanopia

48.3338, 58.2331, 82.8214

# Trichromacy



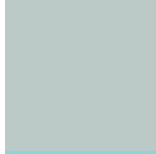
## Original Color

43.8691, 58.3117, 60.5729



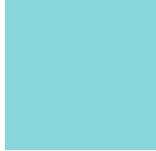
## Protanomaly

49.8470, 57.4004, 56.5963



## Deuteranomaly

51.8071, 56.8831, 61.6751



## Tritanomaly

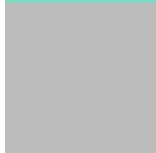
46.7243, 58.3371, 74.4432

# Monochromacy



## Original Color

43.8691, 58.3117, 60.5729



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

45.7637, 52.8239, 57.0742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8691, 58.3117, 60.5729 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(130, 217, 195)` looks like.

```
.text, #text, p{  
    color:rgb(130, 217, 195)  
}
```

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(130, 217, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 217, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8691, 58.3117, 60.5729 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(130, 217, 195) }
```



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

```
.border{ border-color:rgb(130, 217, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 217, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 217, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 217, 195);  
box-shadow:4px 4px 4px 4px rgb(130, 217,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8691, 58.3117, 60.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 217, 195) }
```

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

```
.background{ background-color: rgb(130,  
217, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor