

# Converting Colors

XYZ(43.5590, 58.0561, 59.4569)

Have a look what the booklet for  
XYZ(43.5590, 58.0561, 59.4569)  
contains.

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# Color

**XYZ(43.6444, 58.2218,  
59.3897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82D9C1
RGB	130, 217, 193
RGB Percent	51%, 85%, 76%
CMY	0.4902, 0.1490, 0.2431
CMYK	0.40, 0.00, 0.11, 0.15
HSL	163°, 53%, 68%
HSV	163°, 40%, 85%
XYZ	43.6444, 58.2218, 59.3897
YIQ	188.2510, -44.1480, -25.9080

# Conversions

## Conversions Part 2

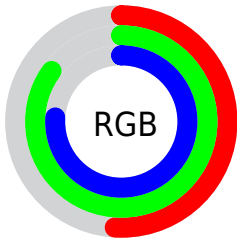
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">130, 180, 217</a>
Decimal	<a href="#">8575425</a>
CIELab	<a href="#">80.86, -31.76, 3.59</a>
CIELCh	<a href="#">81, 31.966, 173.547</a>
Yxy	<a href="#">58.2218, 0.2707, 0.3611</a>
Android (android.graphics.Color)	<a href="#">4286765505</a> ( <a href="#">0xFF82D9C1</a> )
YUV	<a href="#">188.2510, 2.3413, -51.0861</a>
Hunter-Lab	<a href="#">76.3032, -31.4310, 7.2646</a>

# Details

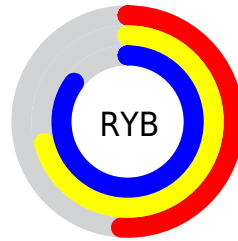
The XYZ color **43.6444, 58.2218, 59.3897** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.4326, 33.0516, 34.7172**, and the grayscale version is **47.9490, 50.4461, 54.9358**.

A 20% lighter version of the original color is **73.1086, 88.7987, 102.9092**, and **20.5556, 29.2300, 29.3695** is the 20% darker color. If you saturate the color by 10%, you get **40.0063, 56.4234, 55.8043**, and if you desaturate by 10%, it is **48.0147, 60.3975, 63.1531**.

# Distribution



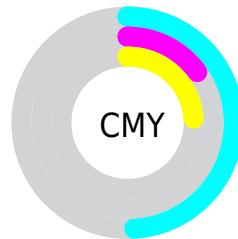
- Red (51%)
- Green (85%)
- Blue (76%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (15%)



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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6444, 58.2218, 59.3897 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 43.6444, 58.2218, 59.3897 by changing the saturation by 10% instead.





 43.6444, 58.2218,  
59.3897


 43.6444, 58.2218,  
59.3897


352.1320,  
418.0119, 440.0866


 30.5878, 41.9870,  
42.5048


 79.9321, 102.2458,  
105.4785

 20.4354, 29.0911,  
29.1683

 103.8938,  
130.8037, 135.5196

 12.8220, 19.1497,  
18.9615


 132.2212,  
164.2382, 170.7831

 7.3823, 11.7785,  
11.4659

165.2798,  
202.9336, 211.6876

 3.7507, 6.5931,  
6.2630

203.4348,  
247.2742, 258.6517

 1.5621, 3.2089,  
2.9343

247.0515,

 0.3675, 1.2418,

297.6446, 312.0938

1.0612

296.4955,  
354.4290, 372.4326

■ 0.0000, 0.0954,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.6444, 58.2218,  
59.3897

■ 43.6444, 58.2218,  
59.3897

■ 40.0063, 56.4234,  
55.8043

■ 48.0147, 60.3975,  
63.1531

■ 37.0507, 54.9722,  
52.3891


■ 53.1533, 62.9647,  
67.0939


■ 34.7293, 53.8450,  
49.1414


■ 59.0995, 65.9450,  
71.2169


■ 32.9851, 53.0123,  
46.0568


■ 65.8887, 69.3566,  
75.5253


 31.7508, 52.4395,  
43.1305


 73.5541, 73.2166,  
80.0221

 30.9113, 52.0667,  
40.3798

 80.1859, 76.5406,  
84.6196

 81.0362, 76.8807,  
89.0970

 81.9156, 77.2324,  
93.7277

 82.8243, 77.5960,  
98.5132

# Harmonies

## Analogous

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



45.7310, 58.2218, 44.1311



43.6444, 58.2218, 59.3897



44.4844, 58.2218, 79.0768

# Triad

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



43.6444, 58.2218, 59.3897



60.5729, 58.2218, 102.9634



63.2391, 58.2218, 38.3901

# Complementary

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



43.6444, 58.2218, 59.3897



42.4326, 33.0516, 34.7172

# 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.



67.8274, 58.2218, 49.9346



43.6444, 58.2218, 59.3897



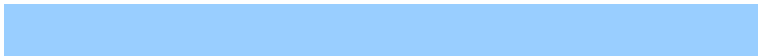
66.2044, 58.2218, 87.5759

# Square

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



43.6444, 58.2218, 59.3897



53.9218, 58.2218, 106.8816



68.9535, 58.2218, 67.5736



56.7790, 58.2218, 33.6653



# Rectangle

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



43.6444, 58.2218, 59.3897



46.6270, 58.2218, 91.9258



68.9535, 58.2218, 67.5736



65.0717, 58.2218, 41.4761

# Sweetspot

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



43.6460, 58.2241, 59.3910



83.3449, 94.1194, 101.4126



42.2944, 58.1738, 30.1196



17.5897, 20.0203, 21.5371



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.



43.6460, 58.2241, 59.3910



58.4519, 81.7069, 81.2588



41.9605, 50.2145, 73.1292



13.2836, 14.7651, 15.9565



18.7580, 31.5358, 24.6890



1.2509, 2.0573, 1.7875



# Inverse Universe

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



42.4326, 33.0516, 34.7172



56.4896, 40.6924, 41.1309



43.3701, 37.8125, 26.1327



13.2029, 13.1103, 14.3298



17.8523, 9.1420, 3.6025

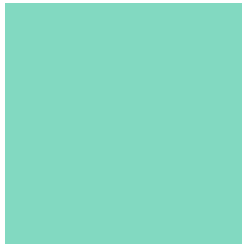


1.1927, 0.6067, 0.4237



# Previews

## White Background



This preview shows how the XYZ color 43.6444, 58.2218, 59.3897 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 43.6444, 58.2218, 59.3897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

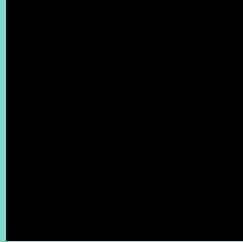
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.6444, 58.2218, 59.3897**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6444, 58.2218, 59.3897.



This preview shows how white text looks on a background with the XYZ color 43.6444, 58.2218,



# 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

43.6444, 58.2218, 59.3897

### Protanopia

54.7028, 57.5311, 53.0212

### Deuteranopia

58.4764, 57.2772, 61.3996



## Tritanopia

48.3338, 58.2331, 82.8214

# Trichromacy



## Original Color

43.6444, 58.2218, 59.3897



## Protanomaly

49.6314, 57.3142, 55.4606



## Deuteranomaly

51.5779, 56.7914, 60.4679



## Tritanomaly

46.5946, 58.2852, 73.7601

# Monochromacy



## Original Color

43.6444, 58.2218, 59.3897



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

45.6540, 52.7800, 56.4965

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6444, 58.2218, 59.3897 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(130, 217, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 217, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6444, 58.2218, 59.3897 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, 193) }
```



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

```
.border{ border-color:rgb(130, 217, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 217, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 217, 193);  
box-shadow:4px 4px 4px 4px rgb(130, 217,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6444, 58.2218, 59.3897 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, 193) }
```

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

```
.background{ background-color: rgb(130,  
217, 193) }
```

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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