

# Converting Colors

XYZ(43.4827, 58.2194, 75.9646)

Have a look what the booklet for  
XYZ(43.4827, 58.2194, 75.9646)  
contains.

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# Color

**XYZ(43.4511, 58.1408,  
75.9500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67DADB
RGB	103, 218, 219
RGB Percent	40%, 85%, 86%
CMY	0.5961, 0.1451, 0.1412
CMYK	0.53, 0.00, 0.00, 0.14
HSL	181°, 62%, 63%
HSV	181°, 53%, 86%
XYZ	43.4511, 58.1408, 75.9500
YIQ	183.7290, -68.8610, -24.0690

# Conversions

## Conversions Part 2

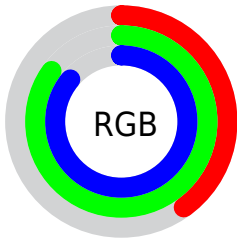
Format	Color
<a href="#">RYB</a>	<a href="#">103, 161, 219</a>
Decimal	<a href="#">6806235</a>
CIELab	<a href="#">80.82, -32.14, -10.45</a>
CIELCh	<a href="#">81, 33.795, 198.006</a>
Yxy	<a href="#">58.1408, 0.2447, 0.3275</a>
Android (android.graphics.Color)	<a href="#">4284996315 (0xFF67DADB)</a>
YUV	<a href="#">183.7290, 17.3886, -70.7993</a>
Hunter-Lab	<a href="#">76.2501, -31.7195, -5.6816</a>

# Details

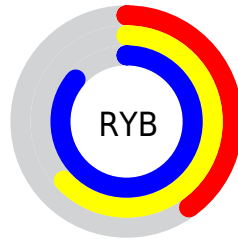
The XYZ color **43.4511, 58.1408, 75.9500** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.6130, 25.9411, 15.9109**, and the grayscale version is **45.3465, 47.7080, 51.9540**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **20.3631, 29.1660, 39.6783** is the 20% darker color. If you saturate the color by 10%, you get **41.2122, 56.9154, 75.8325**, and if you desaturate by 10%, it is **46.3513, 59.7098, 76.1010**.

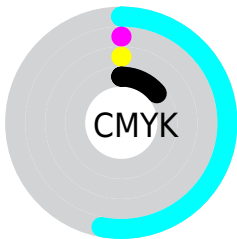
# Distribution



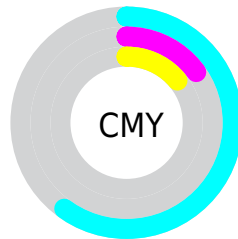
- Red (40%)
- Green (85%)
- Blue (86%)



- Red (40%)
- Yellow (63%)
- Blue (86%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)




- Cyan (60%)
- Magenta (15%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4511, 58.1408, 75.9500 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 43.4511, 58.1408, 75.9500 by changing the saturation by 10% instead.




 43.4511, 58.1408,  
75.9500


 43.4511, 58.1408,  
75.9500


351.3538,  
417.7104, 500.5188


 30.4353, 41.9219,  
55.8851


 79.6426, 102.1279,  
129.4157

 20.3189, 29.0401,  
39.7074


 103.5490,  
130.6648, 163.6535

 12.7367, 19.1112,  
26.9985

 131.8163,  
164.0765, 203.4528

 7.3232, 11.7506,  
17.3396

164.8099,  
202.7473, 249.2319

 3.7132, 6.5741,  
10.3124

202.8951,  
247.0618, 301.4096

 1.5412, 3.1972,  
5.4983

246.4372,

 0.3536, 1.2355,

297.4041, 360.4043

2.4787

295.8017,  
354.1589, 426.6345

■ 0.0000, 0.0904,  
0.8288

■ 0.0000, 0.0000,  
0.0000

■ 43.4511, 58.1408,  
75.9500

■ 43.4511, 58.1408,  
75.9500

■ 41.2122, 56.9154,  
75.8325

■ 46.3513, 59.7098,  
76.1010

■ 39.5769, 56.0000,  
75.7420


■ 49.9544, 61.6399,  
76.2837

■ 38.4863, 55.3654,  
75.6770


■ 54.3047, 63.9554,  
76.5013


■ 37.8673, 54.9741,  
75.6341


■ 59.4416, 66.6764,  
76.7558


 37.6294, 54.8007,  
75.6132

 65.4013, 69.8216,  
77.0488

 72.2182, 73.4089,  
77.3819

 79.4421, 77.2060,  
77.7340

 79.4914, 77.3046,  
77.7505

 79.5407, 77.4033,  
77.7669

# Harmonies

## Analogous

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



43.1414, 58.1408, 55.6464



43.4511, 58.1408, 75.9500



46.7565, 58.1408, 96.3973

# Triad

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



43.4511, 58.1408, 75.9500



65.8517, 58.1408, 92.6726



58.0984, 58.1408, 32.6516

# Complementary

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



43.4511, 58.1408, 75.9500



36.6130, 25.9411, 15.9109

# 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.



64.7391, 58.1408, 38.8133



43.4511, 58.1408, 75.9500



69.4613, 58.1408, 71.6369

# Square

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



43.4511, 58.1408, 75.9500



59.5158, 58.1408, 107.3649



69.0378, 58.1408, 52.1485



51.2141, 58.1408, 33.3274

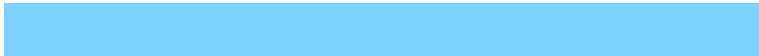


# Rectangle

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



43.4511, 58.1408, 75.9500



50.3839, 58.1408, 106.0684



69.0378, 58.1408, 52.1485



60.4432, 58.1408, 33.9277

# Sweetspot

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



43.4528, 58.1430, 75.9514



81.4881, 92.8425, 108.2333



33.3745, 54.5271, 21.5992



17.1156, 19.6994, 23.1502



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.



43.4528, 58.1430, 75.9514



57.7573, 80.1124, 107.0268



31.1261, 33.4895, 71.8424



13.4348, 14.8093, 16.8025



22.3166, 32.5027, 44.8358



1.4489, 2.1120, 2.9057



# Inverse Universe

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



46.7200, 29.8241, 69.6262



62.8746, 36.0096, 97.0636



44.4078, 41.5307, 18.5091



13.6093, 13.2728, 16.4699



24.7597, 11.9049, 39.9763

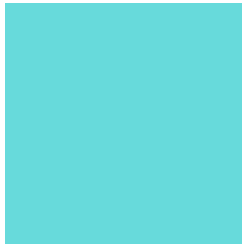


1.6057, 0.7719, 2.5983



# Previews

## White Background



This preview shows how the XYZ color 43.4511, 58.1408, 75.9500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

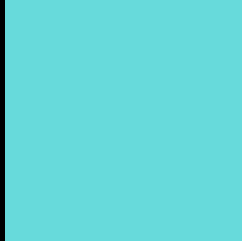
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.4511, 58.1408, 75.9500 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

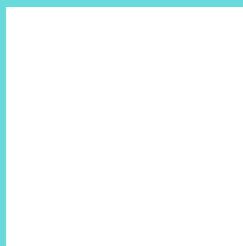
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 43.4511, 58.1408, 75.9500

## Background



This preview shows how black text looks on a background with the XYZ color 43.4511, 58.1408, 75.9500.



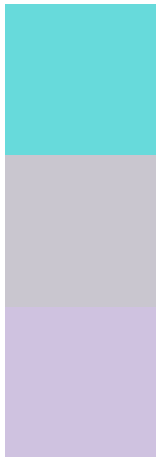
This preview shows how white text looks on a background with the XYZ color 43.4511, 58.1408,

75.9500.

# 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

43.4511, 58.1408, 75.9500

### Protanopia

55.5440, 57.3107, 67.1661

### Deuteranopia

58.4785, 57.2308, 78.4855



## Tritanopia

45.4482, 58.1831, 85.9259

# Trichromacy



## Original Color

43.4511, 58.1408, 75.9500



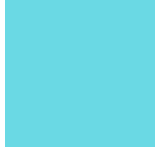
## Protanomaly

49.1062, 56.3651, 69.9194



## Deuteranomaly

50.9029, 56.4208, 77.3147



## Tritanomaly

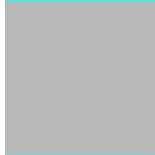
44.7603, 58.2913, 82.2910

# Monochromacy



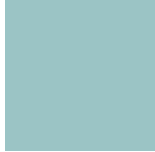
## Original Color

43.4511, 58.1408, 75.9500



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

43.3355, 50.4796, 60.2828

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4511, 58.1408, 75.9500 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(103, 218, 219)` looks like.

```
.text, #text, p{  
    color:rgb(103, 218, 219)  
}
```

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(103, 218, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 218, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4511, 58.1408, 75.9500 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(103, 218, 219) }
```



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

```
.border{ border-color:rgb(103, 218, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 218, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 218, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 218, 219);  
box-shadow:4px 4px 4px 4px rgb(103, 218,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4511, 58.1408, 75.9500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 218, 219) }
```

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

```
.background{ background-color: rgb(103,  
218, 219) }
```

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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