

# Converting Colors

XYZ(39.8126, 48.5548, 65.0313)

Have a look what the booklet for  
XYZ(39.8126, 48.5548, 65.0313)  
contains.

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# Color

**XYZ(39.8126, 48.5548,  
65.0313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81C4CD
RGB	129, 196, 205
RGB Percent	51%, 77%, 80%
CMY	0.4941, 0.2314, 0.1961
CMYK	0.37, 0.04, 0.00, 0.20
HSL	187°, 43%, 65%
HSV	187°, 37%, 80%
XYZ	39.8126, 48.5548, 65.0313
YIQ	176.9930, -42.8210, -11.4050

# Conversions

## Conversions Part 2

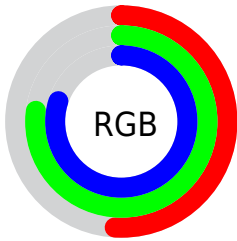
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 165, 205
Decimal	8504525
CIELab	75.17, -18.88, -11.23
CIELCh	75, 21.970, 210.751
Yxy	48.5548, 0.2595, 0.3165
Android (android.graphics.Color)	4286694605 (0xFF81C4CD)
YUV	176.9930, 13.8075, -42.0899
Hunter-Lab	69.6813, -19.9557, -6.5566

# Details

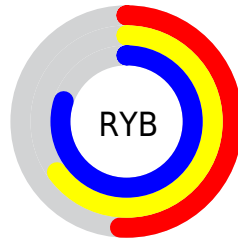
The XYZ color **39.8126, 48.5548, 65.0313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.2284, 32.7415, 25.0748**, and the grayscale version is **41.7334, 43.9067, 47.8144**.

A 20% lighter version of the original color is **73.1829, 87.7848, 107.6948**, and **18.1606, 23.0762, 32.7751** is the 20% darker color. If you saturate the color by 10%, you get **36.4630, 46.0230, 64.7200**, and if you desaturate by 10%, it is **43.7987, 51.4302, 65.3771**.

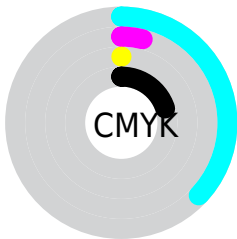
# Distribution



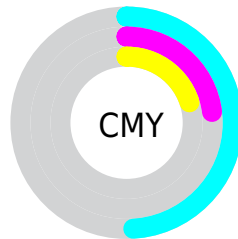
- Red (51%)
- Green (77%)
- Blue (80%)



- Red (51%)
- Yellow (65%)
- Blue (80%)



- Cyan (37%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)



- Cyan (49%)
- Magenta (23%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8126, 48.5548, 65.0313 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 39.8126, 48.5548, 65.0313 by changing the saturation by 10% instead.



■ 39.8126, 48.5548,  
65.0313

■ 39.8126, 48.5548,  
65.0313

336.4811,  
380.9870, 461.2137

■ 27.5760, 34.2665,  
47.0350

■ 74.1642, 88.0299,  
113.7086

■ 18.1451, 23.0984,  
32.7087

■ 97.0100, 113.9854,  
145.2266

■ 11.1545, 14.6662,  
21.6341

■ 124.1228,  
144.5987, 182.0889

■ 6.2389, 8.5854,  
13.3926

155.8681,  
180.2543, 224.7140

■ 3.0329, 4.4718,  
7.5655

192.6113,  
221.3366, 273.5205

■ 1.1712, 1.9408,  
3.7345

234.7175,

■ 0.0835, 0.5727,

268.2298, 328.9269

1.4808

282.5524,  
321.3185, 391.3518

■ 0.0000, 0.0000,  
0.2036

■ 0.0000, 0.0000,  
0.0000

■ 39.8126, 48.5548,  
65.0313

■ 39.8126, 48.5548,  
65.0313

■ 36.4630, 46.0230,  
64.7200

■ 43.7987, 51.4302,  
65.3771

■ 33.7078, 43.8095,  
64.4380

■ 48.4514, 54.6613,  
65.7555

■ 31.5069, 41.8949,  
64.1844

■ 53.8040, 58.2665,  
66.1692

■ 29.8132, 40.2547,  
63.9571

■ 59.8866, 62.2613,  
66.6197

■ 28.5717, 38.8604,  
63.7534

■ 66.7272, 66.6603,  
67.1083

■ 27.7085, 37.6741,  
63.5699

■ 74.3524, 71.4772,  
67.6361

■ 27.4888, 37.3462,  
63.5182

■ 76.0521, 73.2529,  
67.8893

■ 76.6672, 74.4830,  
68.0943

■ 77.2914, 75.7315,  
68.3024

# Harmonies

## Analogous

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



38.8351, 48.5548, 53.1590



39.8126, 48.5548, 65.0313



42.4704, 48.5548, 74.6629

# Triad

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



39.8126, 48.5548, 65.0313



53.2378, 48.5548, 64.4552



46.0485, 48.5548, 33.6563

# Complementary

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



39.8126, 48.5548, 65.0313



38.2284, 32.7415, 25.0748

# 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.



50.0359, 48.5548, 35.7898



39.8126, 48.5548, 65.0313



54.3299, 48.5548, 52.5779

# Square

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



39.8126, 48.5548, 65.0313



50.2216, 48.5548, 74.2978



53.1263, 48.5548, 42.3245



42.3044, 48.5548, 36.0144



# Rectangle

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



39.8126, 48.5548, 65.0313



44.9170, 48.5548, 77.9034



53.1263, 48.5548, 42.3245



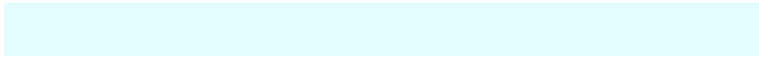
47.4051, 48.5548, 33.8686

# Sweetspot

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



39.8141, 48.5567, 65.0324



84.4225, 92.9622, 108.1017



35.4633, 50.1618, 31.8083



17.8114, 19.7238, 23.1183



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.



39.8141, 48.5567, 65.0324



61.0109, 76.3773, 106.1344



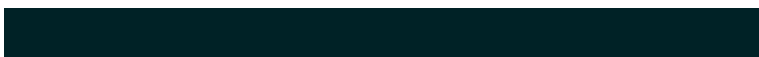
32.3233, 33.5752, 62.5355



11.4255, 12.4914, 14.3793



17.1584, 23.3408, 39.5571



0.9180, 1.2698, 2.0516



# Inverse Universe

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



42.9921, 32.6663, 56.2660



67.0169, 47.2387, 89.3670



44.6394, 45.5635, 27.2118



11.6281, 11.3800, 13.8423



20.8717, 10.1593, 28.1066

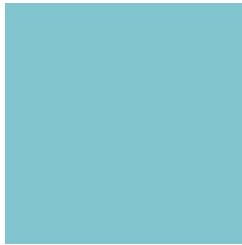


1.0933, 0.5307, 1.5372



# Previews

## White Background



This preview shows how the XYZ color 39.8126, 48.5548, 65.0313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

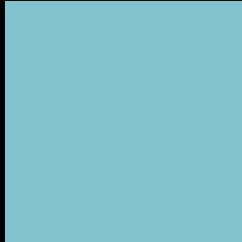
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8126, 48.5548, 65.0313 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 39.8126, 48.5548, 65.0313**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8126, 48.5548, 65.0313.



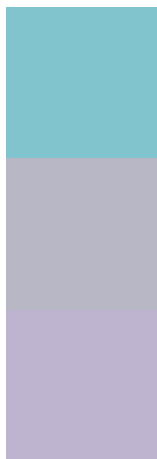
This preview shows how white text looks on a background with the XYZ color 39.8126, 48.5548,



# 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

39.8126, 48.5548, 65.0313

### Protanopia

46.7787, 48.0885, 59.6398

### Deuteranopia

49.1923, 48.2729, 66.3994



## Tritanopia

40.6331, 48.5587, 68.8592

# Trichromacy



## Original Color

39.8126, 48.5548, 65.0313

## Protanomaly

43.7184, 48.0291, 61.6099

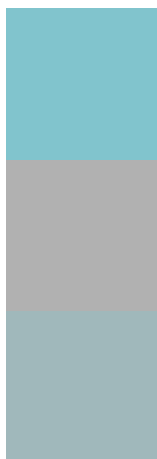
## Deuteranomaly

44.9698, 47.9476, 65.9161

## Tritanomaly

40.2297, 48.3795, 67.5394

# Monochromacy



## Original Color

39.8126, 48.5548, 65.0313

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

40.6073, 45.3424, 53.6254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8126, 48.5548, 65.0313 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(129, 196, 205)` looks like.

```
.text, #text, p{  
    color:rgb(129, 196, 205)  
}
```

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(129, 196, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 196, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8126, 48.5548, 65.0313 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(129, 196, 205) }
```



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

```
.border{ border-color:rgb(129, 196, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 196, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 196, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 196, 205);  
box-shadow:4px 4px 4px 4px rgb(129, 196,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8126, 48.5548, 65.0313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 196, 205) }
```

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

```
.background{ background-color: rgb(129,  
196, 205) }
```

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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