

Converting Colors

XYZ(39.3201, 48.4077, 59.5312)

Have a look what the booklet for
XYZ(39.3201, 48.4077, 59.5312)
contains.

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Color

**XYZ(39.3766, 48.4519,
59.5013)**

Conversions

Conversions Part 1

Format	Color
Hex	85C4C4
RGB	133, 196, 196
RGB Percent	52%, 77%, 77%
CMY	0.4784, 0.2314, 0.2314
CMYK	0.32, 0.00, 0.00, 0.23
HSL	180°, 35%, 65%
HSV	180°, 32%, 77%
XYZ	39.3766, 48.4519, 59.5013
YIQ	177.1630, -37.5480, -13.3560

Conversions

Conversions Part 2

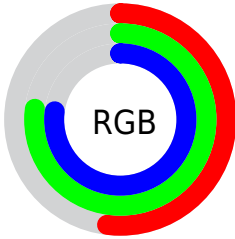
Format	Color
RYB	133, 165, 196
Decimal	8766660
CIELab	75.11, -19.97, -6.43
CIELCh	75, 20.983, 197.840
Yxy	48.4519, 0.2673, 0.3289
Android (android.graphics.Color)	4286956740 (0xFF85C4C4)
YUV	177.1630, 9.2866, -38.7310
Hunter-Lab	69.6074, -20.8363, -1.9567

Details

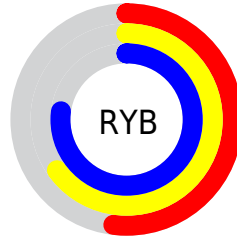
The XYZ color **39.3766, 48.4519, 59.5013** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.3878, 30.2057, 26.1573**, and the grayscale version is **41.8436, 44.0227, 47.9407**.

A 20% lighter version of the original color is **73.5939, 88.0338, 106.0419**, and **17.8638, 23.0045, 29.0900** is the 20% darker color. If you saturate the color by 10%, you get **36.5666, 47.0045, 59.3704**, and if you desaturate by 10%, it is **42.7669, 50.2008, 59.6614**.

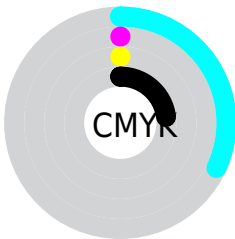
Distribution



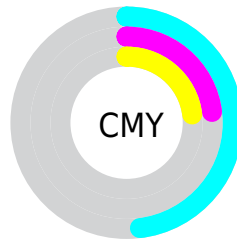
- Red (52%)
- Green (77%)
- Blue (77%)



- Red (52%)
- Yellow (65%)
- Blue (77%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)





- Cyan (48%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3766, 48.4519, 59.5013 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 39.3766, 48.4519, 59.5013 by changing the saturation by 10% instead.


 39.3766, 48.4519,
59.5013


 39.3766, 48.4519,
59.5013


334.6686,
380.5806, 440.5106


 27.2349, 34.1849,
42.5941


 73.5037, 87.8769,
105.6422

 17.8872, 23.0357,
29.2378


 96.2197, 113.8036,
135.7130

 10.9682, 14.6199,
19.0136


 123.1913,
144.3857, 171.0087

 6.1126, 8.5530,
11.5032

154.7836,
180.0076, 211.9479

 2.9550, 4.4508,
6.2880

191.3622,
221.0536, 258.9492

 1.1300, 1.9288,
2.9494

233.2923,

 0.0500, 0.5656,

267.9082, 312.4311

1.0688

280.9394,
320.9557, 372.8120

■ 0.0000, 0.0000,
0.0000

■ 39.3766, 48.4519,
59.5013

■ 39.3766, 48.4519,
59.5013

■ 36.5666, 47.0045,
59.3704

■ 42.7669, 50.2008,
59.6614

■ 34.3004, 45.8362,
59.2639

■ 46.7628, 52.2608,
59.8489

■ 32.5441, 44.9308,
59.1813

■ 51.3936, 54.6480,
60.0660

■ 31.2582, 44.2679,
59.1207

■ 56.6850, 57.3759,
60.3140

■ 30.3975, 43.8242,
59.0800

■ 62.6616, 60.4569,
60.5942

■ 29.9078, 43.5718,
59.0567

■ 69.3467, 63.9032,
60.9074

■ 29.7041, 43.4668,
59.0468

■ 70.9452, 64.7273,
60.9827

■ 70.9453, 64.7273,
60.9831

■ 70.9454, 64.7273,
60.9835

Harmonies

Analogous

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



39.2063, 48.4519, 48.4269



39.3766, 48.4519, 59.5013



41.2730, 48.4519, 70.0300

Triad

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



39.3766, 48.4519, 59.5013



51.7436, 48.4519, 68.2559



47.6245, 48.4519, 34.6705

Complementary

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



39.3766, 48.4519, 59.5013



35.3878, 30.2057, 26.1573

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.



51.1865, 48.4519, 38.5852



39.3766, 48.4519, 59.5013



53.6517, 48.4519, 57.3354

Square

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



39.3766, 48.4519, 59.5013



48.3508, 48.4519, 75.5475



53.4423, 48.4519, 46.5406



43.8274, 48.4519, 35.0820

Rectangle

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



39.3766, 48.4519, 59.5013



43.3235, 48.4519, 74.8572



53.4423, 48.4519, 46.5406



48.8929, 48.4519, 35.4989

Sweetspot

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



39.3780, 48.4538, 59.5024



86.2827, 95.4803, 108.4889



33.8145, 46.2477, 29.3359



18.2251, 20.3115, 23.2097



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.



39.3780, 48.4538, 59.5024



67.4328, 85.7629, 107.6045



33.1927, 36.0828, 57.4419



10.3686, 11.4285, 12.9442



19.0855, 27.9282, 37.9387



0.8246, 1.2067, 1.6392

Inverse Universe

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



35.3878, 30.2057, 26.1573



59.0161, 47.2714, 37.2685



40.1775, 39.7854, 27.7532



10.0732, 10.0779, 10.4763



14.6275, 7.5408, 0.6847



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 39.3766, 48.4519, 59.5013 looks on a white background.

Color Contrast Check

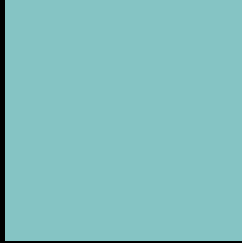
Large Text (above 18pt) WCAG AA × Fail

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 39.3766, 48.4519, 59.5013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

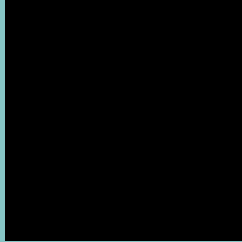
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3766, 48.4519, 59.5013

Background



This preview shows how black text looks on a background with the XYZ color 39.3766, 48.4519, 59.5013.



This preview shows how white text looks on a background with the XYZ color 39.3766, 48.4519,

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

39.3766, 48.4519, 59.5013

Protanopia

46.2603, 47.9369, 54.3915

Deuteranopia

49.0511, 48.0124, 61.3256



Tritanopia

40.9538, 48.4213, 67.5093

Trichromacy



Original Color

39.3766, 48.4519, 59.5013

Protanomaly

43.3235, 47.9435, 56.2608

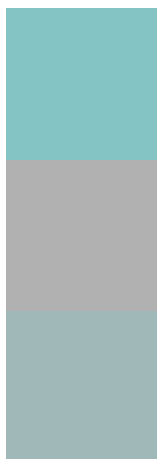
Deuteranomaly

44.6710, 47.5921, 60.8646

Tritanomaly

40.4059, 48.5407, 64.3664

Monochromacy



Original Color

39.3766, 48.4519, 59.5013

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.4902, 45.3187, 51.9607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3766, 48.4519, 59.5013 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(133, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(133, 196, 196)  
}
```

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(133, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 196, 196) }
```

Border

The CSS property to change the border of an element to XYZ 39.3766, 48.4519, 59.5013 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(133, 196, 196) }
```


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

```
.border{ border-color:rgb(133, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 196, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 196, 196);  
box-shadow:4px 4px 4px 4px rgb(133, 196,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3766, 48.4519, 59.5013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 196, 196) }
```

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

```
.background{ background-color: rgb(133,  
196, 196) }
```

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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