

# Converting Colors

XYZ(39.9605, 48.5258, 39.6080)

Have a look what the booklet for  
XYZ(39.9605, 48.5258, 39.6080)  
contains.

<b>XYZ(39.9605, 48.5258, 39.6080)</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(39.9605, 48.5258,  
39.6080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0C29E
RGB	160, 194, 158
RGB Percent	63%, 76%, 62%
CMY	0.3725, 0.2392, 0.3804
CMYK	0.18, 0.00, 0.19, 0.24
HSL	117°, 23%, 69%
HSV	117°, 19%, 76%
XYZ	39.9605, 48.5258, 39.6080
YIQ	179.7300, -8.7080, -18.4040

# Conversions

## Conversions Part 2

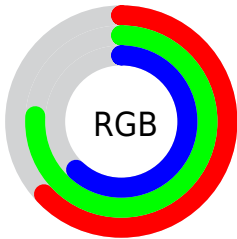
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">158, 194, 192</a>
Decimal	<a href="#">10535582</a>
CIELab	<a href="#">75.16, -18.34, 14.39</a>
CIELCh	<a href="#">75, 23.314, 141.873</a>
Yxy	<a href="#">48.5258, 0.3120, 0.3788</a>
Android (android.graphics.Color)	<a href="#">4288725662 (0xFFA0C29E)</a>
YUV	<a href="#">179.7300, -10.7129, -17.3032</a>
Hunter-Lab	<a href="#">69.6605, -19.5099, 15.0508</a>

# Details

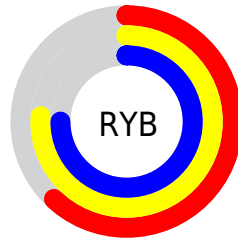
The XYZ color **39.9605, 48.5258, 39.6080** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.7048, 39.5567, 56.3732**, and the grayscale version is **43.2977, 45.5525, 49.6067**.

A 20% lighter version of the original color is **74.5318, 88.2455, 76.0556**, and **18.2163, 23.0058, 17.3904** is the 20% darker color. If you saturate the color by 10%, you get **35.0239, 46.1603, 31.3374**, and if you desaturate by 10%, it is **45.7032, 51.2793, 49.2944**.

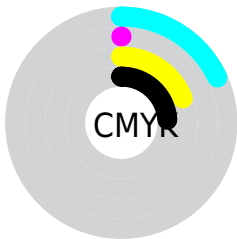
# Distribution



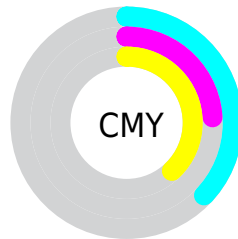
- Red (63%)
- Green (76%)
- Blue (62%)



- Red (62%)
- Yellow (76%)
- Blue (75%)



- Cyan (18%)
- Magenta (0%)
- Yellow (19%)
- Black (24%)



- Cyan (37%)
- Magenta (24%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9605, 48.5258, 39.6080 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 39.9605, 48.5258, 39.6080 by changing the saturation by 10% instead.





 39.9605, 48.5258,  
39.6080


 39.9605, 48.5258,  
39.6080


337.0943,  
380.8725, 359.9714

 27.6918, 34.2435,  
26.9216


 74.3881, 87.9868,  
75.7968

 18.2327, 23.0807,  
17.2824


 97.2777, 113.9342,  
100.1362

 11.2179, 14.6531,  
10.2720


124.4383,  
144.5387, 129.1970

 6.2820, 8.5763,  
5.4717

156.2354,  
180.1848, 163.3978

 3.0596, 4.4659,  
2.4631

193.0341,  
221.2568, 203.1571

 1.1853, 1.9374,  
0.8205

235.2000,

 0.0948, 0.5707,

268.1392, 248.8935

0.0000

283.0982,  
321.2163, 301.0254

■ 0.0000, 0.0000,  
0.0000

■ 39.9605, 48.5258,  
39.6080

■ 39.9605, 48.5258,  
39.6080

■ 35.0239, 46.1603,  
31.3374

■ 45.7032, 51.2793,  
49.2944

■ 30.8538, 44.1594,  
24.4135

■ 52.2818, 54.4304,  
60.4553

■ 27.4127, 42.5069,  
18.7658

■ 59.7293, 57.9965,  
73.1497

■ 24.6588, 41.1829,  
14.3165

■ 68.0757, 61.9917,  
87.4327

■ 22.5459, 40.1653,  
10.9792

■ 77.3490, 66.4295,  
103.3532

■ 21.0220, 39.4295,  
8.6557

■ 78.5828, 67.0655,  
103.4109

■ 20.0271, 38.9471,  
7.2311

■ 19.4803, 38.6804,  
6.5197

■ 19.4278, 38.6551,  
6.4372

# Harmonies

## Analogous

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



43.1306, 48.5258, 33.8816



39.9605, 48.5258, 39.6080



38.4626, 48.5258, 49.5816

# Triad

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



39.9605, 48.5258, 39.6080



44.9714, 48.5258, 79.6995



54.1688, 48.5258, 44.5514

# Complementary

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



39.9605, 48.5258, 39.6080



43.7048, 39.5567, 56.3732

# 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.



54.7369, 48.5258, 56.2305



39.9605, 48.5258, 39.6080



49.2492, 48.5258, 77.7990

# Square

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



39.9605, 48.5258, 39.6080



41.2367, 48.5258, 73.5757



52.8871, 48.5258, 68.7239



51.3793, 48.5258, 36.4139



# Rectangle

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



39.9605, 48.5258, 39.6080



38.5452, 48.5258, 57.8234



52.8871, 48.5258, 68.7239



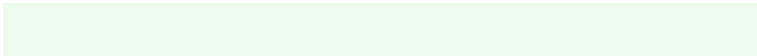
54.6325, 48.5258, 48.1446

# Sweetspot

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



39.9618, 48.5279, 39.6091



85.5906, 94.2380, 94.0317



47.1838, 51.4643, 39.7952



18.5758, 20.5569, 20.3081



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

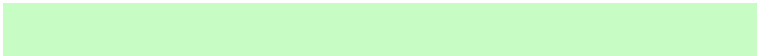


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.9618, 48.5279, 39.6091



68.8378, 86.2096, 65.7818



40.9949, 48.8953, 47.1188



9.9950, 11.2849, 10.7133



12.7954, 25.4251, 4.2332



0.5711, 1.1079, 0.1838



# Inverse Universe

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



43.7048, 39.5567, 56.3732



76.7857, 67.1560, 101.3852



42.5528, 39.1547, 47.6469



10.4403, 10.2181, 12.7069



19.3005, 9.2102, 34.3171

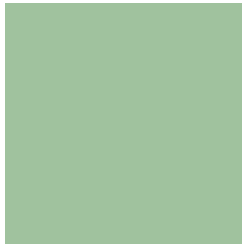


0.8511, 0.4068, 1.4835



# Previews

## White Background



This preview shows how the XYZ color 39.9605, 48.5258, 39.6080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

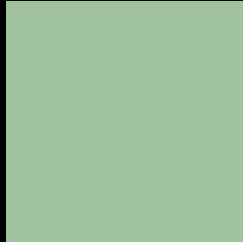
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.9605, 48.5258, 39.6080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

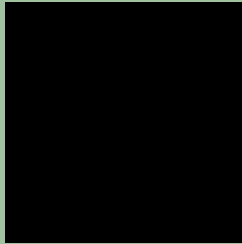
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.9605, 48.5258, 39.6080**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9605, 48.5258, 39.6080.



This preview shows how white text looks on a background with the XYZ color 39.9605, 48.5258,

39.6080.

# 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

39.9605, 48.5258, 39.6080

### Protanopia

45.3959, 48.1830, 37.0446

### Deuteranopia

49.2174, 48.2629, 40.4398



## Tritanopia

44.6991, 48.4937, 63.5042

# Trichromacy



## Original Color

39.9605, 48.5258, 39.6080

## Protanomaly

43.1910, 48.2781, 38.0525

## Deuteranomaly

45.2239, 48.0255, 40.1440

## Tritanomaly

42.6929, 48.3073, 54.0878

# Monochromacy



## Original Color

39.9605, 48.5258, 39.6080

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

42.0289, 46.5607, 45.8017

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9605, 48.5258, 39.6080 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(160, 194, 158)` looks like.

```
.text, #text, p{  
    color:rgb(160, 194, 158)  
}
```

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(160, 194, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 194, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9605, 48.5258, 39.6080 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(160, 194, 158) }
```



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

```
.border{ border-color:rgb(160, 194, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 194, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 194, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 194, 158);  
box-shadow:4px 4px 4px 4px rgb(160, 194,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9605, 48.5258, 39.6080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 194, 158) }
```

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

```
.background{ background-color: rgb(160,  
194, 158) }
```

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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