

# Converting Colors

XYZ(40.0420, 56.3374, 48.7594)

Have a look what the booklet for  
XYZ(40.0420, 56.3374, 48.7594)  
contains.

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# Color

**XYZ(39.9416, 56.1608,  
48.7794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78D8AE
RGB	120, 216, 174
RGB Percent	47%, 85%, 68%
CMY	0.5294, 0.1529, 0.3176
CMYK	0.44, 0.00, 0.19, 0.15
HSL	154°, 55%, 66%
HSV	154°, 44%, 85%
XYZ	39.9416, 56.1608, 48.7794
YIQ	182.5080, -43.7340, -33.4140

# Conversions

## Conversions Part 2

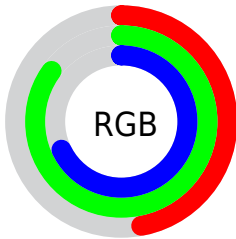
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 181, 216
Decimal	7919790
CIELab	79.71, -38.01, 11.97
CIELCh	80, 39.852, 162.514
Yxy	56.1608, 0.2757, 0.3876
Android (android.graphics.Color)	4286109870 (0xFF78D8AE)
YUV	182.5080, -4.1944, -54.8195
Hunter-Lab	74.9405, -36.0094, 13.8660

# Details

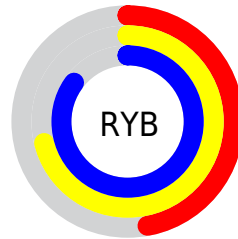
The XYZ color **39.9416, 56.1608, 48.7794** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.5589, 30.6419, 37.9087**, and the grayscale version is **44.7811, 47.1132, 51.3062**.

A 20% lighter version of the original color is **67.9474, 86.4633, 87.9708**, and **18.3076, 27.9516, 22.8426** is the 20% darker color. If you saturate the color by 10%, you get **36.3881, 54.4332, 43.9724**, and if you desaturate by 10%, it is **44.2386, 58.2673, 53.9621**.

# Distribution



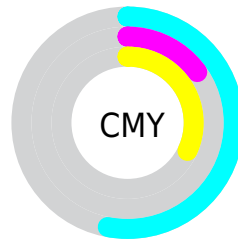
- Red (47%)
- Green (85%)
- Blue (68%)



- Red (47%)
- Yellow (71%)
- Blue (85%)



- Cyan (44%)
- Magenta (0%)
- Yellow (19%)
- Black (15%)



- Cyan (53%)
- Magenta (15%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9416, 56.1608, 48.7794 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 39.9416, 56.1608, 48.7794 by changing the saturation by 10% instead.



■ 39.9416, 56.1608,  
48.7794

■ 39.9416, 56.1608,  
48.7794

337.0160,  
410.2972, 398.4707

■ 27.6770, 40.3319,  
34.0802

■ 74.3595, 99.2396,  
89.7413

■ 18.2215, 27.7974,  
22.6773

■ 97.2435, 127.2583,  
116.8411

■ 11.2098, 18.1730,  
14.1524

■ 124.3980,  
160.1091, 148.9114

■ 6.2765, 11.0743,  
8.0868

156.1884,  
198.1763, 186.3709

■ 3.0562, 6.1168,  
4.0619

192.9801,  
241.8443, 229.6380

■ 1.1835, 2.9162,  
1.6594

235.1383,

■ 0.0933, 1.0882,

291.4975, 279.1313

0.3327

283.0285,  
347.5203, 335.2693

■ 0.0000, 0.0000,  
0.0000

■ 39.9416, 56.1608,  
48.7794

■ 39.9416, 56.1608,  
48.7794

■ 36.3881, 54.4332,  
43.9724

■ 44.2386, 58.2673,  
53.9621

■ 33.5263, 53.0533,  
39.5280

■ 49.3176, 60.7677,  
59.5253

■ 31.3046, 51.9961,  
35.4381


■ 55.2197, 63.6847,  
65.4787


■ 29.6616, 51.2304,  
31.6922


■ 61.9818, 67.0371,  
71.8304


■ 28.5229, 50.7177,  
28.2793


■ 69.6383, 70.8425,  
78.5881

 28.0387, 50.5065,  
26.5209

 78.2220, 75.1177,  
85.7594

 81.5482, 76.6743,  
93.0608

 82.9905, 77.2512,  
100.6558

 83.8469, 77.5938,  
105.1656

# Harmonies

## Analogous

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



43.5925, 56.1608, 33.9601



39.9416, 56.1608, 48.7794



39.6560, 56.1608, 71.2605

# Triad

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



39.9416, 56.1608, 48.7794



56.8018, 56.1608, 115.4025



65.6139, 56.1608, 35.8299

# Complementary

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



39.9416, 56.1608, 48.7794



41.5589, 30.6419, 37.9087

# 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.



69.9511, 56.1608, 52.0433



39.9416, 56.1608, 48.7794



64.5308, 56.1608, 99.9671

# Square

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



39.9416, 56.1608, 48.7794



48.8643, 56.1608, 113.8898



69.5359, 56.1608, 75.4520



58.1639, 56.1608, 27.8782



# Rectangle

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



39.9416, 56.1608, 48.7794



41.3675, 56.1608, 88.1892



69.5359, 56.1608, 75.4520



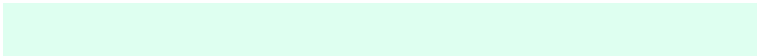
67.5163, 56.1608, 40.2929

# Sweetspot

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



39.9431, 56.1631, 48.7807



81.6403, 93.3467, 96.5400



43.0931, 58.2779, 26.7476



17.0338, 19.7619, 20.2358



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.



39.9431, 56.1631, 48.7807



53.4339, 79.4819, 64.6721



43.4862, 55.6412, 73.4163



12.5520, 14.0118, 14.7213



16.6505, 29.9156, 15.9873



1.0455, 1.8209, 1.1816



# Inverse Universe

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



41.5589, 30.6419, 37.9087



56.0731, 37.9108, 46.9995



39.0191, 30.5730, 21.6148



12.6467, 12.5102, 14.0795



18.0234, 9.1457, 7.4271



1.1283, 0.5681, 0.6648



# Previews

## White Background



This preview shows how the XYZ color 39.9416, 56.1608, 48.7794 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 39.9416, 56.1608, 48.7794 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

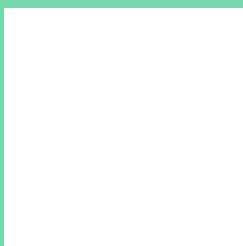
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.9416, 56.1608, 48.7794**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9416, 56.1608, 48.7794.



This preview shows how white text looks on a background with the XYZ color 39.9416, 56.1608,



# 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

39.9416, 56.1608, 48.7794

### Protanopia

52.1729, 55.4256, 43.0704

### Deuteranopia

56.5600, 55.2201, 50.8575



## **Tritanopia**

46.2008, 56.0785, 80.3407

# Trichromacy



## Original Color

39.9416, 56.1608, 48.7794



## Protanomaly

46.1030, 54.6530, 45.1650



## Deuteranomaly

48.4669, 54.3755, 50.0605



## Tritanomaly

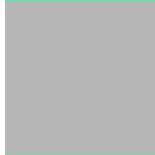
43.7081, 56.1812, 67.5719

# Monochromacy



## Original Color

39.9416, 56.1608, 48.7794



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

42.2505, 49.7991, 50.5654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9416, 56.1608, 48.7794 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(120, 216, 174)` looks like.

```
.text, #text, p{  
    color:rgb(120, 216, 174)  
}
```

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(120, 216, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 216, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9416, 56.1608, 48.7794 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(120, 216, 174) }
```



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

```
.border{ border-color:rgb(120, 216, 174) }
```

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

Here you see how a box with a 4 pixel rgb(120, 216, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 216, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 216, 174);  
box-shadow:4px 4px 4px 4px rgb(120, 216,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9416, 56.1608, 48.7794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 216, 174) }
```

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

```
.background{ background-color: rgb(120,  
216, 174) }
```

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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