

# Converting Colors

XYZ(39.4504, 44.8557, 8.5198)

Have a look what the booklet for  
XYZ(39.4504, 44.8557, 8.5198)  
contains.

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# Color

**XYZ(39.3958, 44.7963,  
8.4896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3B527
RGB	195, 181, 39
RGB Percent	76%, 71%, 15%
CMY	0.2353, 0.2902, 0.8470
CMYK	0.00, 0.07, 0.80, 0.24
HSL	55°, 67%, 46%
HSV	55°, 80%, 76%
XYZ	39.3958, 44.7963, 8.4896
YIQ	168.9980, 53.9260, -41.1940

# Conversions

## Conversions Part 2

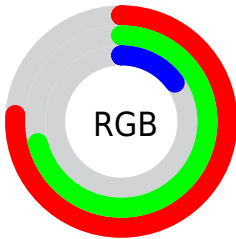
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">54, 195, 39</a>
Decimal	<a href="#">12825895</a>
CIELab	<a href="#">72.76, -9.78, 67.59</a>
CIElCh	<a href="#">73, 68.292, 98.231</a>
Yxy	<a href="#">44.7963, 0.4251, 0.4833</a>
Android (android.graphics.Color)	<a href="#">4291015975 (0xFFC3B527)</a>
YUV	<a href="#">168.9980, -64.0890, 22.8038</a>
Hunter-Lab	<a href="#">66.9300, -12.0604, 39.3305</a>

# Details

The XYZ color **39.3958, 44.7963, 8.4896** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **11.9603, 6.9178, 52.3345**, and the grayscale version is **38.0008, 39.9798, 43.5380**.

A 20% lighter version of the original color is **73.7288, 82.7102, 23.6340**, and **18.1668, 21.0189, 3.0996** is the 20% darker color. If you saturate the color by 10%, you get **38.7989, 43.9936, 7.0857**, and if you desaturate by 10%, it is **40.1652, 45.6785, 10.7707**.

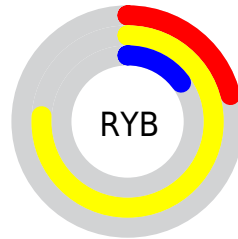
# Distribution



Red (76%)

Green (71%)

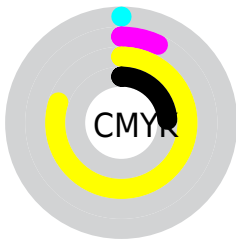
Blue (15%)



Red (21%)

Yellow (76%)

Blue (15%)

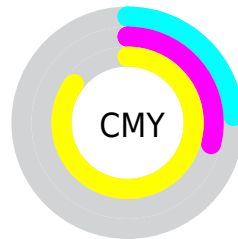


Cyan (0%)

Magenta (7%)

Yellow (80%)

Black (24%)



Cyan (24%)

Magenta (29%)


Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3958, 44.7963, 8.4896 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 39.3958, 44.7963, 8.4896 by changing the saturation by 10% instead.





 39.3958, 44.7963,  
8.4896


 39.3958, 44.7963,  
8.4896


334.7486,  
365.9479, 189.5990


 27.2499, 31.2970,  
4.3176


 73.5328, 82.4147,  
23.4746


 17.8985, 20.8251,  
1.8011


 96.2546, 107.3025,  
35.1247


 10.9764, 12.9962,  
0.4287


 123.2323,  
136.7553, 50.1045

 6.1182, 7.4259,  
0.0000

 154.8315,  
171.1575, 68.8327

 2.9584, 3.7299,  
0.0000

 191.4173,  
210.8935, 91.7276

 1.1318, 1.5236,  
0.0000

 233.3552,

 0.0515, 0.3053,

256.3476, 119.2080

0.0000

281.0105,  
307.9043, 151.6923

■ 0.0000, 0.0000,  
0.0000

■ 39.3958, 44.7963,  
8.4896

■ 39.3958, 44.7963,  
8.4896

■ 38.7989, 43.9936,  
7.0857

■ 40.1652, 45.6785,  
10.7707

■ 38.3280, 43.2468,  
6.3275

■ 41.1263, 46.6429,  
14.0442

■ 38.3278, 43.2465,  
6.3273

■ 42.2993, 47.6992,  
18.4108

■ 43.7006, 48.8541,  
23.9580

■ 45.3454, 50.1136,  
30.7644

■ 47.2472, 51.4833,  
38.9021

■ 49.4187, 52.9680,  
48.4376

■ 51.8717, 54.5728,  
59.4328

■ 54.6173, 56.3019,  
71.9462

# Harmonies

## Analogous

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



51.6056, 44.7963, 9.7931



39.3958, 44.7963, 8.4896



29.9687, 44.7963, 13.3612

# Triad

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



39.3958, 44.7963, 8.4896



27.0610, 44.7963, 101.3731



67.4568, 44.7963, 77.2216

# Complementary

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



39.3958, 44.7963, 8.4896



11.9603, 6.9178, 52.3345

# 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.



58.3037, 44.7963, 120.1520



39.3958, 44.7963, 8.4896



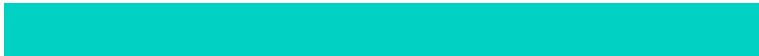
34.6691, 44.7963, 138.0241

# Square

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



39.3958, 44.7963, 8.4896



23.7634, 44.7963, 58.7348



45.9261, 44.7963, 146.1488



69.3650, 44.7963, 40.0110



# Rectangle

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



39.3958, 44.7963, 8.4896



25.9857, 44.7963, 21.8408



45.9261, 44.7963, 146.1488



65.0532, 44.7963, 91.8656

# Sweetspot

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



39.3968, 44.7984, 8.4905



83.0724, 91.1096, 62.9966



23.9115, 13.3256, 4.8768



17.9255, 19.7589, 12.6595



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.



39.3968, 44.7984, 8.4905



68.8577, 77.7902, 11.6758



29.4915, 44.1308, 8.8837



10.8337, 11.5988, 10.7297



24.9431, 28.1719, 4.1231



1.1008, 1.2633, 0.1858



# Inverse Universe

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



11.9603, 6.9178, 52.3345



18.2807, 8.1464, 93.0787



15.9881, 8.1816, 52.3661



9.5994, 9.8900, 12.6879



6.5648, 2.8862, 33.7677



0.3089, 0.1752, 1.4674



# Previews

## White Background



This preview shows how the XYZ color 39.3958, 44.7963, 8.4896 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 39.3958, 44.7963, 8.4896 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 39.3958, 44.7963, 8.4896**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3958, 44.7963, 8.4896.



This preview shows how white text looks on a background with the XYZ color 39.3958, 44.7963,



# 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

39.3958, 44.7963, 8.4896

### Protanopia

40.5573, 44.7976, 8.3429

### Deuteranopia

45.4021, 44.4127, 8.6622



## Tritanopia

48.0851, 44.8751, 50.3834

# Trichromacy



## Original Color

39.3958, 44.7963, 8.4896

## Protanomaly

40.2243, 44.9246, 8.3850

## Deuteranomaly

42.8202, 44.2077, 8.5616

## Tritanomaly

43.3300, 44.0554, 27.3389

# Monochromacy



## Original Color

39.3958, 44.7963, 8.4896

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

36.8165, 40.7573, 24.3389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3958, 44.7963, 8.4896 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(195, 181, 39)` looks like.

```
.text, #text, p{  
    color:rgb(195, 181, 39)  
}
```

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(195, 181, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 181, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3958, 44.7963, 8.4896 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(195, 181, 39) }
```



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

```
.border{ border-color:rgb(195, 181, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 181, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 181, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 181, 39);  
box-shadow:4px 4px 4px 4px rgb(195, 181,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3958, 44.7963, 8.4896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 181, 39) }
```

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

```
.background{ background-color: rgb(195,  
181, 39) }
```

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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