

# Converting Colors

XYZ(25.8958, 39.9482, 10.7608)

Have a look what the booklet for  
XYZ(25.8958, 39.9482, 10.7608)  
contains.

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# Color

**XYZ(25.8958, 39.9482,  
10.7608)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	73BC3D
RGB	115, 188, 61
RGB Percent	45%, 74%, 24%
CMY	0.5490, 0.2627, 0.7608
CMYK	0.39, 0.00, 0.68, 0.26
HSL	94°, 51%, 49%
HSV	94°, 68%, 74%
XYZ	25.8958, 39.9482, 10.7608
YIQ	151.6950, -2.7410, -54.9730

# Conversions

## Conversions Part 2

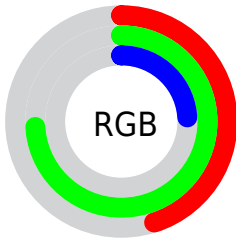
Format	Color
<a href="#">RYB</a>	<a href="#">61, 188, 134</a>
Decimal	<a href="#">7584829</a>
CIELab	<a href="#">69.43, -44.10, 54.83</a>
CIELCh	<a href="#">69, 70.366, 128.812</a>
Yxy	<a href="#">39.9482, 0.3380, 0.5215</a>
Android (android.graphics.Color)	<a href="#">4285774909 (0xFF73BC3D)</a>
YUV	<a href="#">151.6950, -44.7126, -32.1815</a>
Hunter-Lab	<a href="#">63.2046, -37.4741, 34.1489</a>

# Details

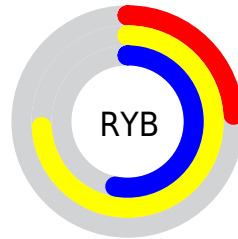
The XYZ color **25.8958, 39.9482, 10.7608** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **20.5792, 12.0379, 48.8180**, and the grayscale version is **29.9020, 31.4592, 34.2591**.

A 20% lighter version of the original color is **52.5415, 75.2005, 27.9656**, and **10.2700, 17.9497, 2.9234** is the 20% darker color. If you saturate the color by 10%, you get **24.1370, 39.0914, 8.4829**, and if you desaturate by 10%, it is **28.0006, 40.9654, 13.9829**.

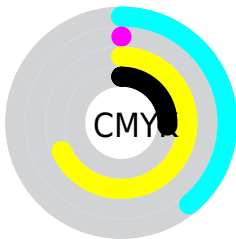
# Distribution



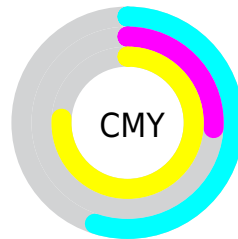
- Red (45%)
- Green (74%)
- Blue (24%)



- Red (24%)
- Yellow (74%)
- Blue (53%)



- Cyan (39%)
- Magenta (0%)
- Yellow (68%)
- Black (26%)




- Cyan (55%)
- Magenta (26%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8958, 39.9482, 10.7608 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 25.8958, 39.9482, 10.7608 by changing the saturation by 10% instead.





 25.8958, 39.9482,  
10.7608


 25.8958, 39.9482,  
10.7608


274.5363,  
345.9052, 206.6972


 16.8780, 27.4982,  
5.7941


 52.5393, 75.0846,  
27.8468

 10.2423, 17.9477,  
2.6535


 70.8957, 98.5398,  
40.8033


 5.6234, 10.9124,  
0.9199


 93.0956, 126.4321,  
57.2600

 2.6559, 6.0080,  
0.0000

 119.5045,  
159.1461, 77.6356

 0.9745, 2.8499,  
0.0000

 150.4876,  
197.0659, 102.3485

 0.0000, 1.0539,  
0.0000

186.4104,

 0.0000, 0.0000,

240.5761, 131.8175

0.0000

227.6382,  
290.0611, 166.4608

■ 25.8958, 39.9482,  
10.7608

■ 25.8958, 39.9482,  
10.7608

■ 24.1370, 39.0914,  
8.4829

■ 28.0006, 40.9654,  
13.9829

■ 22.6962, 38.3790,  
7.0436

■ 30.4708, 42.1473,  
18.2349

■ 21.5395, 37.7981,  
6.2927

■ 33.3272, 43.5041,  
23.5954

■ 21.2867, 37.6707,  
6.1492

■ 36.5882, 45.0438,  
30.1352

■ 40.2708, 46.7738,  
37.9188

■ 44.3910, 48.7010,  
47.0061

■ 48.9638, 50.8318,  
57.4533

■ 54.0035, 53.1726,  
69.3131

■ 59.5237, 55.7293,  
82.6355

# Harmonies

## Analogous

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



34.7317, 39.9482, 6.3999



25.8958, 39.9482, 10.7608



21.0758, 39.9482, 24.6327

# Triad

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



25.8958, 39.9482, 10.7608



30.6335, 39.9482, 131.3530



63.7962, 39.9482, 34.6289

# Complementary

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



25.8958, 39.9482, 10.7608



20.5792, 12.0379, 48.8180

# 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.



62.0951, 39.9482, 70.1410



25.8958, 39.9482, 10.7608



41.4026, 39.9482, 138.7544

# Square

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



25.8958, 39.9482, 10.7608



23.4091, 39.9482, 95.4338



53.3111, 39.9482, 112.3944



57.5806, 39.9482, 14.9568

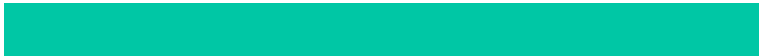


# Rectangle

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



25.8958, 39.9482, 10.7608



20.1006, 39.9482, 42.2173



53.3111, 39.9482, 112.3944



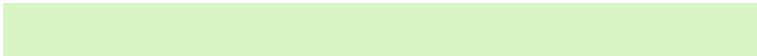
64.1534, 39.9482, 44.8019

# Sweetspot

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



25.8967, 39.9499, 10.7617



71.0507, 83.8612, 64.5712



29.9659, 27.7959, 8.2012



14.8718, 17.8427, 13.0217



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



25.8967, 39.9499, 10.7617



42.4271, 70.1959, 13.9510



20.9976, 37.3959, 11.8186



9.7830, 10.8425, 10.1538



14.5737, 25.6889, 4.1903



0.6457, 1.0449, 0.1676



# Inverse Universe

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



20.5792, 12.0379, 48.8180



32.0443, 16.0992, 87.6447



30.6001, 17.3062, 44.6609



9.5274, 9.4887, 12.0016



10.4828, 4.6902, 32.7457



0.4839, 0.2215, 1.2861



# Previews

## White Background



This preview shows how the XYZ color 25.8958, 39.9482, 10.7608 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 25.8958, 39.9482, 10.7608 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 25.8958, 39.9482, 10.7608**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.8958, 39.9482, 10.7608.



This preview shows how white text looks on a background with the XYZ color 25.8958, 39.9482,



# 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

25.8958, 39.9482, 10.7608

### Protanopia

35.8880, 39.4803, 9.4703

### Deuteranopia

39.9708, 39.1391, 11.2423



## Tritanopia

34.6511, 39.8367, 54.5781

# Trichromacy



**Original Color**

25.8958, 39.9482, 10.7608

**Protanomaly**

31.1893, 39.0375, 9.8941

**Deuteranomaly**

33.0670, 38.2687, 10.9540

**Tritanomaly**

30.0316, 39.1377, 31.9581

# Monochromacy



**Original Color**

25.8958, 39.9482, 10.7608

**Achromatopsia**

29.8446, 31.3989, 34.1934

**Achromatomaly**

27.4324, 33.7311, 22.5177

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.8958, 39.9482, 10.7608 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(115, 188, 61)` looks like.

```
.text, #text, p{  
    color:rgb(115, 188, 61)  
}
```

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(115, 188, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 188, 61) }
```

## Border

The CSS property to change the border of an element to XYZ 25.8958, 39.9482, 10.7608 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(115, 188, 61) }
```



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

```
.border{ border-color:rgb(115, 188, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 188, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 188, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 188, 61);  
box-shadow:4px 4px 4px 4px rgb(115, 188,  
61) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.8958, 39.9482, 10.7608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 188, 61) }
```

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

```
.background{ background-color: rgb(115,  
188, 61) }
```

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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