

# Converting Colors

XYZ(34.7317, 39.9482, 6.3999)

Have a look what the booklet for  
XYZ(34.7317, 39.9482, 6.3999)  
contains.

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# Color

**XYZ(34.8119, 40.1180,  
6.4391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8AD11
RGB	184, 173, 17
RGB Percent	72%, 68%, 7%
CMY	0.2784, 0.3215, 0.9333
CMYK	0.00, 0.06, 0.91, 0.28
HSL	56°, 83%, 39%
HSV	56°, 91%, 72%
XYZ	34.8119, 40.1180, 6.4391
YIQ	158.5050, 56.6320, -46.1840

# Conversions

## Conversions Part 2

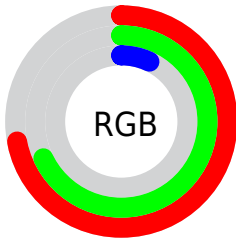
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	29, 184, 17
Decimal	12102929
CIE <sub>Lab</sub>	69.55, -11.03, 69.59
CIE <sub>LCh</sub>	70, 70.454, 99.004
Yxy	40.1180, 0.4278, 0.4930
Android (android.graphics.Color)	4290293009 (0xFFB8AD11)
YUV	158.5050, -69.7620, 22.3591
Hunter-Lab	63.3388, -12.7367, 38.3096

# Details

The XYZ color **34.8119, 40.1180, 6.4391** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.2984, 4.4108, 45.7082**, and the grayscale version is **33.0202, 34.7398, 37.8316**.

A 20% lighter version of the original color is **66.6519, 75.3600, 19.4205**, and **15.4416, 18.1104, 2.6818** is the 20% darker color. If you saturate the color by 10%, you get **34.4976, 39.6516, 5.8353**, and if you desaturate by 10%, it is **35.2544, 40.6699, 7.6144**.

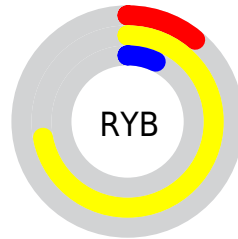
# Distribution



Red (72%)

Green (68%)

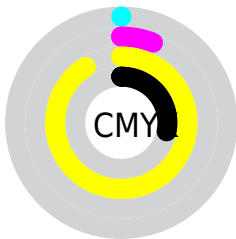
Blue (7%)



Red (11%)

Yellow (72%)

Blue (7%)

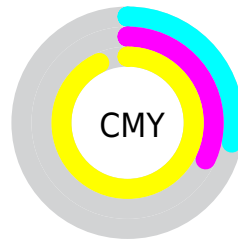


Cyan (0%)

Magenta (6%)

Yellow (91%)

Black (28%)



Cyan (28%)

Magenta (32%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8119, 40.1180, 6.4391 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 34.8119, 40.1180, 6.4391 by changing the saturation by 10% instead.





 34.8119, 40.1180,  
6.4391


 34.8119, 40.1180,  
6.4391


315.2599,  
346.6207, 172.3682


 23.6839, 27.6306,  
3.0408


 66.5302, 75.3432,  
19.3289

 15.2227, 18.0474,  
1.1155


 87.8512, 98.8497,  
29.6574

 9.0632, 10.9840,  
0.0000


 113.3005,  
126.7980, 43.1332

 4.8399, 6.0561,  
0.0000

 143.2435,  
159.5725, 60.1746

 2.1874, 2.8792,  
0.0000

 178.0456,  
197.5577, 81.2003

 0.7361, 1.0690,  
0.0000

 218.0722,

 0.0000, 0.0000,

241.1378, 106.6288

0.0000

263.6885,  
290.6974, 136.8786

■ 34.8119, 40.1180,  
6.4391

■ 34.8119, 40.1180,  
6.4391

■ 34.4976, 39.6516,  
5.8353

■ 35.2544, 40.6699,  
7.6144

■ 35.8418, 41.2817,  
9.5460

■ 36.5946, 41.9629,  
12.3382

■ 37.5293, 42.7203,  
16.0779

■ 38.6605, 43.5598,  
20.8416

■ 40.0012, 44.4864,  
26.6982

■ 41.5633, 45.5050,  
33.7102

■ 43.3579, 46.6201,  
41.9357

■ 45.3952, 47.8357,  
51.4288

# Harmonies

## Analogous

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



46.5101, 40.1180, 7.4305



34.8119, 40.1180, 6.4391



25.9636, 40.1180, 10.8617

# Triad

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



34.8119, 40.1180, 6.4391



23.5440, 40.1180, 96.1034



62.3908, 40.1180, 70.1657

# Complementary

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



34.8119, 40.1180, 6.4391



9.2984, 4.4108, 45.7082

# 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.



53.6062, 40.1180, 112.6091



34.8119, 40.1180, 6.4391



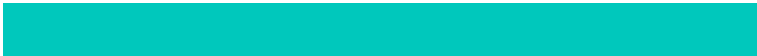
30.8240, 40.1180, 132.0479

# Square

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



34.8119, 40.1180, 6.4391



20.3622, 40.1180, 54.2276



41.6545, 40.1180, 139.2512



64.0462, 40.1180, 34.6002



# Rectangle

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



34.8119, 40.1180, 6.4391



22.2974, 40.1180, 18.7267



41.6545, 40.1180, 139.2512



60.1008, 40.1180, 84.4937

# Sweetspot

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



34.8128, 40.1199, 6.4399



73.4036, 81.2356, 52.3589



20.1789, 10.6761, 2.1049



15.6281, 17.3824, 10.4143



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



34.8128, 40.1199, 6.4399



62.4673, 71.7405, 10.5549



23.8777, 37.7422, 6.5573



9.6982, 10.3994, 9.6030



23.7961, 27.3685, 4.0285



0.8542, 0.9954, 0.1471



# Inverse Universe

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



9.2984, 4.4108, 45.7082



15.8657, 6.6376, 82.6496



13.0080, 6.0043, 45.8203



8.5673, 8.8119, 11.3288



6.0739, 2.6074, 31.4362



0.2302, 0.1242, 1.1136



# Previews

## White Background



This preview shows how the XYZ color 34.8119, 40.1180, 6.4391 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 34.8119, 40.1180, 6.4391 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 34.8119, 40.1180, 6.4391**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8119, 40.1180, 6.4391.



This preview shows how white text looks on a background with the XYZ color 34.8119, 40.1180,



# 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

34.8119, 40.1180, 6.4391

### Protanopia

36.2065, 39.9933, 6.3014

### Deuteranopia

40.6982, 39.8746, 6.7139



## Tritanopia

42.7934, 40.1090, 45.0215

# Trichromacy



## Original Color

34.8119, 40.1180, 6.4391

## Protanomaly

35.6427, 39.9820, 6.3289

## Deuteranomaly

38.2592, 39.6770, 6.5616

## Tritanomaly

38.0934, 39.2476, 22.0908

# Monochromacy



## Original Color

34.8119, 40.1180, 6.4391

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

32.0778, 35.9373, 19.1558

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8119, 40.1180, 6.4391 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(184, 173, 17)` looks like.

```
.text, #text, p{  
    color:rgb(184, 173, 17)  
}
```

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(184, 173, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 173, 17) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8119, 40.1180, 6.4391 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(184, 173, 17) }
```



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

```
.border{ border-color:rgb(184, 173, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 173, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 173, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 173, 17);  
box-shadow:4px 4px 4px 4px rgb(184, 173,  
17) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8119, 40.1180, 6.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 173, 17) }
```

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

```
.background{ background-color: rgb(184,  
173, 17) }
```

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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