

Converting Colors

XYZ(40.2205, 48.4725, 7.2363)

Have a look what the booklet for
XYZ(40.2205, 48.4725, 7.2363)
contains.

XYZ(40.1167, 48.3380, 7.2158)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.1167, 48.3380,
7.2158)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBF00
RGB	191, 191, 0
RGB Percent	75%, 75%, 0%
CMY	0.2510, 0.2510, 0.9999
CMYK	0.00, 0.00, 1.00, 0.25
HSL	60°, 100%, 37%
HSV	60°, 100%, 75%
XYZ	40.1167, 48.3380, 7.2158
YIQ	169.2260, 61.3110, -59.4010

Conversions

Conversions Part 2

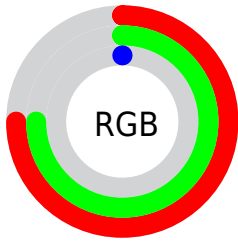
Format	Color
RYB	0, 191, 0
Decimal	12566272
CIELab	75.04, -17.35, 76.03
CIELCh	75, 77.980, 102.852
Yxy	48.3380, 0.4193, 0.5053
Android (android.graphics.Color)	4290756352 (0xFFBFBF00)
YUV	169.2260, -83.4284, 19.0958
Hunter-Lab	69.5255, -18.6740, 42.5144

Details

The XYZ color **40.1167, 48.3380, 7.2158** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **9.4051, 3.7625, 49.5238**, and the grayscale version is **38.2057, 40.1953, 43.7727**.

A 20% lighter version of the original color is **74.5674, 87.6400, 20.9687**, and **18.7613, 23.1635, 3.4822** is the 20% darker color. If you saturate the color by 10%, you get **40.1177, 48.3402, 7.2162**, and if you desaturate by 10%, it is **40.2364, 48.3877, 7.8406**.

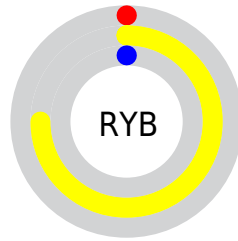
Distribution



Red (75%)

Green (75%)

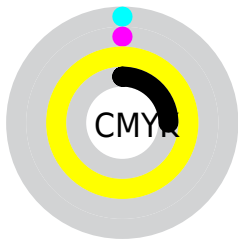
Blue (0%)



Red (0%)

Yellow (75%)

Blue (0%)

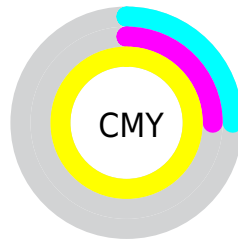


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1167, 48.3380, 7.2158 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 40.1167, 48.3380, 7.2158 by changing the saturation by 10% instead.


 40.1167, 48.3380,
7.2158


 40.1167, 48.3380,
7.2158


337.7412,
380.1303, 179.1434

 27.8142, 34.0946,
3.5169


 74.6244, 87.7074,
20.9263

 18.3254, 22.9663,
1.3643


 97.5603, 113.6023,
31.7749

 11.2849, 14.5686,
0.1136


 124.7713,
144.1498, 45.8440

 6.3275, 8.5172,
0.0000

 156.6228,
179.7343, 63.5519

 3.0878, 4.4276,
0.0000

 193.4802,
220.7402, 85.3173

 1.2004, 1.9155,
0.0000

 235.7089,

 0.1066, 0.5577,

267.5519, 111.5586

0.0000

283.6741,
320.5538, 142.6945

■ 0.0000, 0.0000,
0.0000

■ 40.1167, 48.3380,
7.2158

■ 40.1167, 48.3380,
7.2158

■ 40.1177, 48.3402,
7.2162

■ 40.2364, 48.3877,
7.8406

■ 40.4714, 48.4818,
9.0774

■ 40.8647, 48.6391,
11.1478

■ 41.4376, 48.8682,
14.1635

■ 42.2079, 49.1764,
18.2192

■ 43.1915, 49.5699,
23.3981

■ 44.4026, 50.0543,
29.7750

■ 45.8542, 50.6350,
37.4183

■ 47.5583, 51.3166,
46.3911

Harmonies

Analogous

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



54.5021, 48.3380, 7.6281



40.1167, 48.3380, 7.2158



29.7198, 48.3380, 13.5262

Triad

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



40.1167, 48.3380, 7.2158



28.6470, 48.3380, 126.0380



77.4010, 48.3380, 79.3138

Complementary

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



40.1167, 48.3380, 7.2158



9.4051, 3.7625, 49.5238

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.



67.2032, 48.3380, 133.6284



40.1167, 48.3380, 7.2158



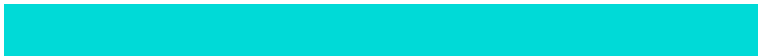
38.3319, 48.3380, 168.8027

Square

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



40.1167, 48.3380, 7.2158



24.0794, 48.3380, 72.0793



52.3095, 48.3380, 172.1345



78.1558, 48.3380, 37.0407

Rectangle

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



40.1167, 48.3380, 7.2158



25.6269, 48.3380, 24.3394



52.3095, 48.3380, 172.1345



74.8803, 48.3380, 97.1522

Sweetspot

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



40.1178, 48.3403, 7.2168



79.4053, 89.5960, 52.7174



21.4875, 11.0776, 1.0063



17.2240, 19.5894, 10.4565



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



40.1178, 48.3403, 7.2168



71.8465, 86.5723, 12.9234



23.4049, 39.7245, 6.4346



10.3223, 11.1205, 10.1791



26.3632, 31.7666, 4.7421



1.0327, 1.2443, 0.1858

Inverse Universe

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



9.4051, 3.7625, 49.5238



16.8427, 6.7371, 88.6918



14.1776, 6.2228, 49.7472



9.0166, 9.2254, 11.9777



6.1802, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Previews

White Background



This preview shows how the XYZ color 40.1167, 48.3380, 7.2158 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 40.1167, 48.3380, 7.2158 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 40.1167, 48.3380, 7.2158

Background



This preview shows how black text looks on a background with the XYZ color 40.1167, 48.3380, 7.2158.

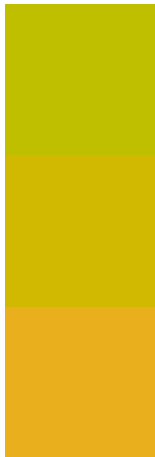


This preview shows how white text looks on a background with the XYZ color 40.1167, 48.3380,

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

40.1167, 48.3380, 7.2158

Protanopia

43.3614, 48.1078, 7.0003

Deuteranopia

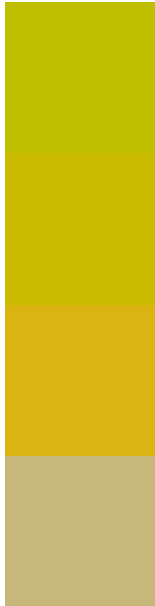
49.1560, 48.0723, 7.8505



Tritanopia

50.2262, 48.4397, 55.9928

Trichromacy



Original Color

40.1167, 48.3380, 7.2158

Protanomaly

42.1274, 48.0972, 7.0633

Deuteranomaly

45.5465, 47.9968, 7.4360

Tritanomaly

43.9995, 47.4142, 25.2452

Monochromacy



Original Color

40.1167, 48.3380, 7.2158

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.5604, 41.8741, 20.3429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1167, 48.3380, 7.2158 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(191, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 191, 0)  
}
```

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(191, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.1167, 48.3380, 7.2158 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(191, 191, 0) }
```


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

```
.border{ border-color:rgb(191, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1167, 48.3380, 7.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 191, 0) }
```

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

```
.background{ background-color: rgb(191,  
191, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor