

Converting Colors

XYZ(38.8461, 48.1325, 7.2431)

Have a look what the booklet for
XYZ(38.8461, 48.1325, 7.2431)
contains.

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Color

**XYZ(38.8572, 48.0136,
7.2196)**

Conversions

Conversions Part 1

Format	Color
Hex	B9C000
RGB	185, 192, 0
RGB Percent	73%, 75%, 0%
CMY	0.2745, 0.2470, 0.9999
CMYK	0.04, 0.00, 1.00, 0.25
HSL	62°, 100%, 38%
HSV	62°, 100%, 75%
XYZ	38.8572, 48.0136, 7.2196
YIQ	168.0190, 57.4600, -61.1960

Conversions

Conversions Part 2

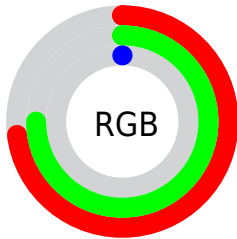
Format	Color
RYB	0, 192, 7
Decimal	12173312
CIELab	74.83, -20.43, 75.66
CIELCh	75, 78.370, 105.112
Yxy	48.0136, 0.4130, 0.5103
Android (android.graphics.Color)	4290363392 (0xFFB9C000)
YUV	168.0190, -82.8334, 14.8923
Hunter-Lab	69.2918, -21.1622, 42.3268

Details

The XYZ color **38.8572, 48.0136, 7.2196** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **9.6032, 3.8519, 50.1096**, and the grayscale version is **37.6055, 39.5639, 43.0851**.

A 20% lighter version of the original color is **72.7466, 87.1565, 20.9714**, and **17.9850, 22.9773, 3.4871** is the 20% darker color. If you saturate the color by 10%, you get **38.8580, 48.0157, 7.2199**, and if you desaturate by 10%, it is **39.1471, 48.1509, 7.8569**.

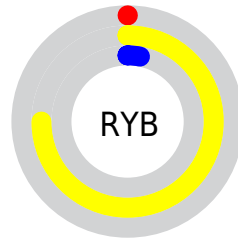
Distribution



Red (73%)

Green (75%)

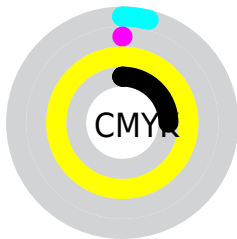
Blue (0%)



Red (0%)

Yellow (75%)

Blue (3%)

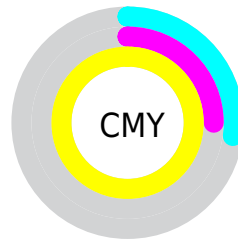


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (27%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8572, 48.0136, 7.2196 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 38.8572, 48.0136, 7.2196 by changing the saturation by 10% instead.

■ 38.8572, 48.0136,
7.2196

■ 38.8572, 48.0136,
7.2196

332.5006,
378.8460, 179.1757

■ 26.8289, 33.8377,
3.5193

■ 72.7156, 87.2247,
20.9340

■ 17.5807, 22.7689,
1.3655

■ 95.2764, 113.0286,
31.7852

■ 10.7472, 14.4230,
0.1146

■ 122.0787,
143.4772, 45.8570

■ 5.9632, 8.4154,
0.0000

■ 153.4879,
178.9551, 63.5681

■ 2.8631, 4.3619,
0.0000

■ 189.8693,
219.8465, 85.3370

■ 1.0818, 1.8780,
0.0000

■ 231.5883,

■ 0.0098, 0.5351,

266.5358, 111.5822

0.0000

279.0103,
319.4076, 142.7223

■ 0.0000, 0.0000,
0.0000

■ 38.8572, 48.0136,
7.2196

■ 38.8572, 48.0136,
7.2196

■ 38.8580, 48.0157,
7.2199

■ 39.1471, 48.1509,
7.8569

■ 39.5547, 48.3336,
9.1143

■ 40.1233, 48.5809,
11.2154

■ 40.8744, 48.9012,
14.2734

■ 41.8264, 49.3019,
18.3842

■ 42.9951, 49.7895,
23.6321

■ 44.3949, 50.3696,
30.0929

■ 46.0391, 51.0475,
37.8358

■ 47.9397, 51.8281,
46.9248

Harmonies

Analogous

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



53.0446, 48.0136, 7.1983



38.8572, 48.0136, 7.2196



28.8431, 48.0136, 14.1490

Triad

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



38.8572, 48.0136, 7.2196



28.8991, 48.0136, 129.9280



77.5735, 48.0136, 75.1465

Complementary

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



38.8572, 48.0136, 7.2196



9.6032, 3.8519, 50.1096

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.



67.9348, 48.0136, 129.5288



38.8572, 48.0136, 7.2196



38.9506, 48.0136, 170.7233

Square

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



38.8572, 48.0136, 7.2196



23.9623, 48.0136, 75.5261



53.1595, 48.0136, 170.5479



77.5339, 48.0136, 34.3704

Rectangle

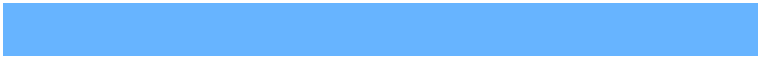
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.8572, 48.0136, 7.2196



25.0169, 48.0136, 25.7171



53.1595, 48.0136, 170.5479



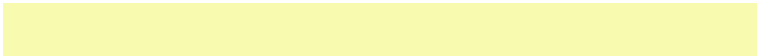
75.2820, 48.0136, 92.7517

Sweetspot

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



38.8583, 48.0158, 7.2206



80.3012, 91.2055, 53.8935



21.8094, 11.3466, 1.0413



16.9866, 19.4670, 10.4454



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.



38.8583, 48.0158, 7.2206



70.3551, 86.9712, 13.0790



23.0300, 39.8560, 6.4798



10.8759, 11.7390, 10.7545



26.1605, 32.3151, 4.8586



1.1418, 1.4022, 0.2105

Inverse Universe

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



9.6032, 3.8519, 50.1096



17.3538, 6.9547, 90.7880



15.0417, 6.6555, 50.3641



9.5615, 9.7651, 12.6657



6.4756, 2.5987, 33.7169



0.2918, 0.1185, 1.4574

Previews

White Background



This preview shows how the XYZ color 38.8572, 48.0136, 7.2196 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 38.8572, 48.0136, 7.2196 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 38.8572, 48.0136, 7.2196

Background



This preview shows how black text looks on a background with the XYZ color 38.8572, 48.0136, 7.2196.

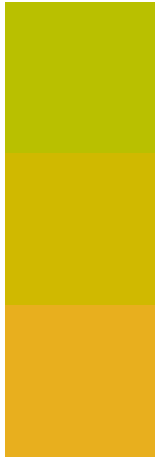


This preview shows how white text looks on a background with the XYZ color 38.8572, 48.0136,

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

38.8572, 48.0136, 7.2196

Protanopia

43.3614, 48.1078, 7.0003

Deuteranopia

48.8430, 47.9095, 7.9014



Tritanopia

48.7235, 47.6523, 56.4990

Trichromacy



Original Color

38.8572, 48.0136, 7.2196

Protanomaly

41.8026, 48.2458, 7.1091

Deuteranomaly

44.6657, 47.5418, 7.4384

Tritanomaly

42.4387, 46.6096, 25.1721

Monochromacy



Original Color

38.8572, 48.0136, 7.2196

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.8315, 41.5045, 20.0326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8572, 48.0136, 7.2196 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(185, 192, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 192, 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(185, 192, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 192, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.8572, 48.0136, 7.2196 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(185, 192, 0) }
```


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

```
.border{ border-color:rgb(185, 192, 0) }
```

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

Here you see how a box with a 4 pixel rgb(185, 192, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 192, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 192, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 192,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8572, 48.0136, 7.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 192, 0) }
```

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

```
.background{ background-color: rgb(185,  
192, 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](#).

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