

Converting Colors

XYZ(39.0757, 48.0178, 10.0888)

Have a look what the booklet for
XYZ(39.0757, 48.0178, 10.0888)
contains.

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Color

**XYZ(39.1712, 48.1114,
10.1276)**

Conversions

Conversions Part 1

Format	Color
Hex	B8C031
RGB	184, 192, 49
RGB Percent	72%, 75%, 19%
CMY	0.2784, 0.2470, 0.8078
CMYK	0.04, 0.00, 0.74, 0.25
HSL	63°, 59%, 47%
HSV	63°, 74%, 75%
XYZ	39.1712, 48.1114, 10.1276
YIQ	173.3060, 41.1350, -46.1690

Conversions

Conversions Part 2

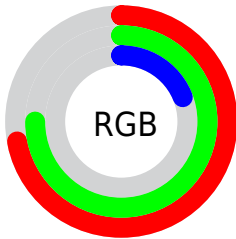
Format	Color
RYB	49, 192, 57
Decimal	12107825
CIELab	74.90, -19.70, 66.10
CIELCh	75, 68.972, 106.597
Yxy	48.1114, 0.4021, 0.4939
Android (android.graphics.Color)	4290297905 (0xFFB8C031)
YUV	173.3060, -61.2829, 9.3786
Hunter-Lab	69.3624, -20.5794, 39.8967

Details

The XYZ color **39.1712, 48.1114, 10.1276** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **12.3015, 6.8733, 50.5505**, and the grayscale version is **40.1667, 42.2585, 46.0195**.

A 20% lighter version of the original color is **73.1311, 87.2301, 26.6183**, and **17.9850, 22.9773, 3.4871** is the 20% darker color. If you saturate the color by 10%, you get **38.5931, 47.8523, 8.4176**, and if you desaturate by 10%, it is **39.9260, 48.4450, 12.7483**.

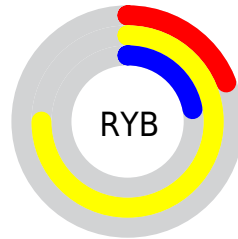
Distribution



Red (72%)

Green (75%)

Blue (19%)



Red (19%)

Yellow (75%)

Blue (22%)

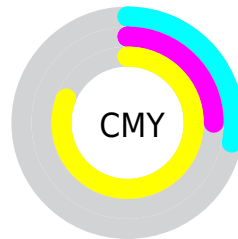


Cyan (4%)

Magenta (0%)

Yellow (74%)

Black (25%)



Cyan (28%)

Magenta (25%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1712, 48.1114, 10.1276 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 39.1712, 48.1114, 10.1276 by changing the saturation by 10% instead.

■ 39.1712, 48.1114,
10.1276

■ 39.1712, 48.1114,
10.1276

333.8125,
379.2335, 202.0982

■ 27.0743, 33.9151,
5.3769

■ 73.1922, 87.3702,
26.6468

■ 17.7659, 22.8284,
2.4075

■ 95.8469, 113.2016,
39.2524

■ 10.8807, 14.4668,
0.7905

■ 122.7517,
143.6801, 55.3134

■ 6.0534, 8.4461,
0.0000

■ 154.2717,
179.1901, 75.2483

■ 2.9185, 4.3817,
0.0000

■ 190.7725,
220.1161, 99.4757

■ 1.1108, 1.8893,
0.0000

■ 232.6193,

■ 0.0341, 0.5419,

266.8424, 128.4141

0.0000

280.1775,
319.7534, 162.4821

■ 0.0000, 0.0000,
0.0000

■ 39.1712, 48.1114,
10.1276

■ 39.1712, 48.1114,
10.1276

■ 38.5931, 47.8523,
8.4176

■ 39.9260, 48.4450,
12.7483

■ 38.1648, 47.6516,
7.4909

■ 40.8737, 48.8541,
16.3797

■ 37.9669, 47.5563,
7.1782

■ 42.0324, 49.3479,
21.1115

■ 43.4171, 49.9323,
27.0232

■ 45.0414, 50.6128,
34.1866

■ 46.9180, 51.3945,
42.6681

■ 49.0585, 52.2819,
52.5291

■ 51.4740, 53.2795,
63.8273

■ 54.1746, 54.3915,
76.6172

Harmonies

Analogous

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



51.5581, 48.1114, 9.7976



39.1712, 48.1114, 10.1276



30.3307, 48.1114, 17.7832

Triad

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



39.1712, 48.1114, 10.1276



31.0604, 48.1114, 120.4171



73.4739, 48.1114, 70.1088

Complementary

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



39.1712, 48.1114, 10.1276



12.3015, 6.8733, 50.5505

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.



65.6146, 48.1114, 115.7312



39.1712, 48.1114, 10.1276



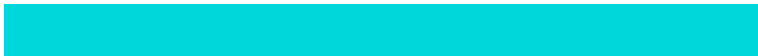
40.3557, 48.1114, 152.5818

Square

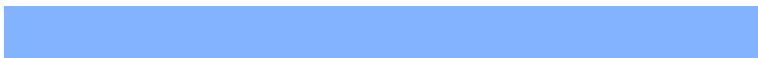
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.1712, 48.1114, 10.1276



26.2692, 48.1114, 74.7290



52.9794, 48.1114, 150.5558



72.9970, 48.1114, 35.0084

Rectangle

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



39.1712, 48.1114, 10.1276



26.9526, 48.1114, 29.4355



52.9794, 48.1114, 150.5558



71.6658, 48.1114, 84.9395

Sweetspot

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



39.1723, 48.1136, 10.1286



82.2911, 91.9875, 65.0017



23.7157, 14.2724, 4.4112



17.4665, 19.6560, 13.1051



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.



39.1723, 48.1136, 10.1286



69.4331, 86.4723, 14.0981



26.2611, 41.4577, 9.5244



10.8559, 11.7287, 10.7536



25.5684, 32.0098, 4.8309



1.1220, 1.3920, 0.2095

Inverse Universe

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



12.3015, 6.8733, 50.5505



18.5156, 8.1523, 90.9579



19.4639, 10.5656, 50.8857



9.5793, 9.7743, 12.6666



6.5148, 2.6189, 33.7187



0.2999, 0.1226, 1.4577

Previews

White Background



This preview shows how the XYZ color 39.1712, 48.1114, 10.1276 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 39.1712, 48.1114, 10.1276 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 39.1712, 48.1114, 10.1276

Background



This preview shows how black text looks on a background with the XYZ color 39.1712, 48.1114, 10.1276.



This preview shows how white text looks on a background with the XYZ color 39.1712, 48.1114,

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

39.1712, 48.1114, 10.1276

Protanopia

43.5942, 48.1686, 9.6891

Deuteranopia

48.9988, 47.9344, 10.4111



Tritanopia

48.7717, 47.9608, 57.1389

Trichromacy



Original Color

39.1712, 48.1114, 10.1276

Protanomaly

42.0699, 48.3220, 9.9061

Deuteranomaly

44.8980, 47.6009, 10.1897

Tritanomaly

43.6864, 47.4105, 32.0479

Monochromacy



Original Color

39.1712, 48.1114, 10.1276

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.3490, 43.5481, 26.8065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1712, 48.1114, 10.1276 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, 192, 49)` looks like.

```
.text, #text, p{  
    color:rgb(184, 192, 49)  
}
```

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, 192, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 192, 49) }
```

Border

The CSS property to change the border of an element to XYZ 39.1712, 48.1114, 10.1276 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, 192, 49) }
```


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

```
.border{ border-color:rgb(184, 192, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 192, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 192, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 192, 49);  
box-shadow:4px 4px 4px 4px rgb(184, 192,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1712, 48.1114, 10.1276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 192, 49) }
```

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

```
.background{ background-color: rgb(184,  
192, 49) }
```

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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