

Converting Colors

XYZ(38.5696, 48.4127, 11.8244)

Have a look what the booklet for
XYZ(38.5696, 48.4127, 11.8244)
contains.

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Color

**XYZ(38.5214, 48.3964,
11.8686)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C23E
RGB	178, 194, 62
RGB Percent	70%, 76%, 24%
CMY	0.3020, 0.2392, 0.7568
CMYK	0.08, 0.00, 0.68, 0.24
HSL	67°, 52%, 50%
HSV	67°, 68%, 76%
XYZ	38.5214, 48.3964, 11.8686
YIQ	174.1680, 32.8360, -44.4440

Conversions

Conversions Part 2

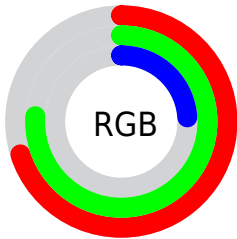
Format	Color
RYB	62, 194, 78
Decimal	11715134
CIELab	75.07, -22.54, 61.49
CIELCh	75, 65.488, 110.134
Yxy	48.3964, 0.3899, 0.4899
Android (android.graphics.Color)	4289905214 (0xFFB2C23E)
YUV	174.1680, -55.2988, 3.3607
Hunter-Lab	69.5675, -22.9029, 38.5821

Details

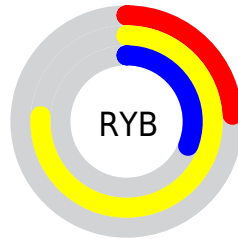
The XYZ color **38.5214, 48.3964, 11.8686** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **14.6038, 8.9612, 52.0019**, and the grayscale version is **40.5834, 42.6969, 46.4969**.

A 20% lighter version of the original color is **71.9886, 87.4884, 29.9224**, and **17.5509, 23.1873, 3.5506** is the 20% darker color. If you saturate the color by 10%, you get **37.5465, 47.9464, 9.5233**, and if you desaturate by 10%, it is **39.6978, 48.9316, 15.2169**.

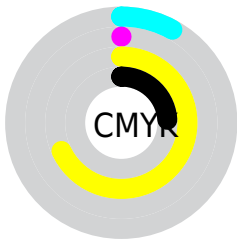
Distribution



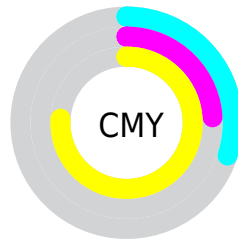
- Red (70%)
- Green (76%)
- Blue (24%)



- Red (24%)
- Yellow (76%)
- Blue (31%)



- Cyan (8%)
- Magenta (0%)
- Yellow (68%)
- Black (24%)



- Cyan (30%)
- Magenta (24%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5214, 48.3964, 11.8686 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 38.5214, 48.3964, 11.8686 by changing the saturation by 10% instead.

■ 38.5214, 48.3964,
11.8686

■ 38.5214, 48.3964,
11.8686

331.0937,
380.3612, 214.4804

■ 26.5667, 34.1409,
6.5328

■ 72.2054, 87.7943,
29.9164

■ 17.3829, 23.0019,
3.0977

■ 94.6653, 113.7055,
43.4654

■ 10.6049, 14.5949,
1.1447

■ 121.3577,
144.2708, 60.5893

■ 5.8671, 8.5356,
0.0000

■ 152.6479,
179.8744, 81.7066

■ 2.8044, 4.4395,
0.0000

■ 188.9012,
220.9009, 107.2358

■ 1.0512, 1.9223,
0.0000

230.4830,

■ 0.0000, 0.5618,

267.7346, 137.5955

0.0000

277.7588,
320.7599, 173.2042

■ 0.0000, 0.0000,
0.0000

■ 38.5214, 48.3964,
11.8686

■ 38.5214, 48.3964,
11.8686

■ 37.5465, 47.9464,
9.5233

■ 39.6978, 48.9316,
15.2169

■ 36.7484, 47.5664,
8.0657

■ 41.0905, 49.5527,
19.6610

■ 36.0958, 47.2456,
7.3261

■ 42.7169, 50.2683,
25.2863

■ 35.9747, 47.1856,
7.2117

■ 44.5913, 51.0842,
32.1692

■ 46.7272, 52.0058,
40.3795

■ 49.1369, 53.0379,
49.9820

■ 51.8319, 54.1853,
61.0372

■ 54.8230, 55.4523,
73.6020

■ 58.1205, 56.8430,
87.7303

Harmonies

Analogous

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



50.0578, 48.3964, 10.7736



38.5214, 48.3964, 11.8686



30.4954, 48.3964, 20.7249

Triad

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



38.5214, 48.3964, 11.8686



32.7645, 48.3964, 121.2283



72.6121, 48.3964, 64.8192

Complementary

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



38.5214, 48.3964, 11.8686



14.6038, 8.9612, 52.0019

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.



66.0283, 48.3964, 107.2619



38.5214, 48.3964, 11.8686



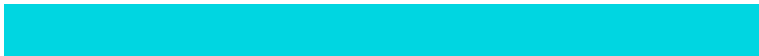
42.1664, 48.3964, 147.9970

Square

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



38.5214, 48.3964, 11.8686



27.5935, 48.3964, 78.8038



54.3873, 48.3964, 142.0008



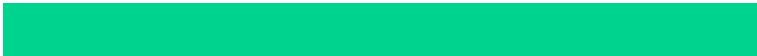
71.1760, 48.3964, 33.1030

Rectangle

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



38.5214, 48.3964, 11.8686



27.5674, 48.3964, 33.3158



54.3873, 48.3964, 142.0008



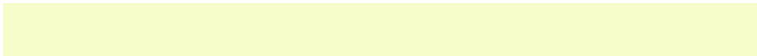
71.2252, 48.3964, 78.4259

Sweetspot

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



38.5225, 48.3986, 11.8696



83.7290, 93.8183, 69.5480



25.8014, 17.1824, 6.5148



18.0889, 20.4389, 14.2765



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.5225, 48.3986, 11.8696



67.2229, 86.4844, 15.6775



26.9219, 42.4183, 11.3267



10.7893, 11.6944, 10.7505



23.6973, 31.0453, 4.7434



1.0584, 1.3592, 0.2066

Inverse Universe

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



14.6038, 8.9612, 52.0019



21.1625, 10.2898, 93.3405



22.8590, 13.2169, 52.3883



9.6393, 9.8052, 12.6694



6.6802, 2.7042, 33.7265



0.3269, 0.1366, 1.4590

Previews

White Background



This preview shows how the XYZ color 38.5214, 48.3964, 11.8686 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 38.5214, 48.3964, 11.8686 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 38.5214, 48.3964, 11.8686

Background



This preview shows how black text looks on a background with the XYZ color 38.5214, 48.3964, 11.8686.



This preview shows how white text looks on a background with the XYZ color 38.5214, 48.3964,

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

38.5214, 48.3964, 11.8686

Protanopia

43.8967, 48.2896, 11.2822

Deuteranopia

49.0373, 47.9126, 12.2937



Tritanopia

47.9735, 48.1096, 58.9822

Trichromacy



Original Color

38.5214, 48.3964, 11.8686

Protanomaly

41.5905, 48.0391, 11.4953

Deuteranomaly

44.5753, 47.6981, 12.0115

Tritanomaly

43.0751, 47.6635, 34.5334

Monochromacy



Original Color

38.5214, 48.3964, 11.8686

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.4367, 43.8552, 28.6294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5214, 48.3964, 11.8686 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(178, 194, 62)` looks like.

```
.text, #text, p{  
    color:rgb(178, 194, 62)  
}
```

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(178, 194, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 194, 62) }
```

Border

The CSS property to change the border of an element to XYZ 38.5214, 48.3964, 11.8686 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(178, 194, 62) }
```


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

```
.border{ border-color:rgb(178, 194, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 194, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 194, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 194, 62);  
box-shadow:4px 4px 4px 4px rgb(178, 194,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5214, 48.3964, 11.8686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 194, 62) }
```

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

```
.background{ background-color: rgb(178,  
194, 62) }
```

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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