

Converting Colors

XYZ(38.0709, 47.8348, 11.7839)

Have a look what the booklet for
XYZ(38.0709, 47.8348, 11.7839)
contains.

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Color

**XYZ(38.0709, 47.8348,
11.7839)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C13E
RGB	177, 193, 62
RGB Percent	69%, 76%, 24%
CMY	0.3059, 0.2431, 0.7568
CMYK	0.08, 0.00, 0.68, 0.24
HSL	67°, 51%, 50%
HSV	67°, 68%, 76%
XYZ	38.0709, 47.8348, 11.7839
YIQ	173.2820, 32.5150, -44.1330

Conversions

Conversions Part 2

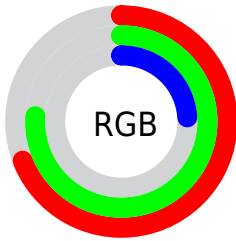
Format	Color
RYB	62, 193, 78
Decimal	11649342
CIELab	74.72, -22.47, 61.10
CIELCh	75, 65.104, 110.187
Yxy	47.8348, 0.3897, 0.4897
Android (android.graphics.Color)	4289839422 (0xFFB1C13E)
YUV	173.2820, -54.8620, 3.2607
Hunter-Lab	69.1627, -22.7787, 38.3121

Details

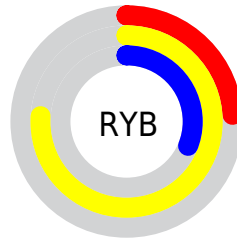
The XYZ color **38.0709, 47.8348, 11.7839** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **14.4917, 8.9163, 51.4121**, and the grayscale version is **40.1255, 42.2151, 45.9723**.

A 20% lighter version of the original color is **71.3475, 86.6979, 29.8036**, and **17.2632, 22.8211, 3.4950** is the 20% darker color. If you saturate the color by 10%, you get **37.1005, 47.3869, 9.4483**, and if you desaturate by 10%, it is **39.2409, 48.3671, 15.1122**.

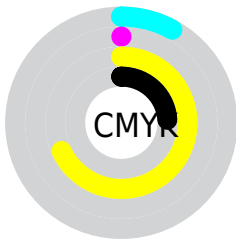
Distribution



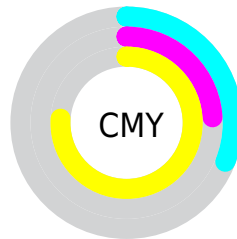
- Red (69%)
- Green (76%)
- Blue (24%)



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



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





- Cyan (31%)
- Magenta (24%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0709, 47.8348, 11.7839 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 38.0709, 47.8348, 11.7839 by changing the saturation by 10% instead.


 38.0709, 47.8348,
11.7839


 38.0709, 47.8348,
11.7839


329.1996,
378.1369, 213.8962

 26.2152, 33.6961,
6.4760


 71.5200, 86.9584,
29.7594


 17.1182, 22.6602,
3.0632


 93.8441, 112.7120,
43.2640


 10.4146, 14.3428,
1.1270


 120.3883,
143.1061, 60.3380

 5.7391, 8.3595,
0.0000

 151.5181,
178.5251, 81.3998

 2.7262, 4.3258,
0.0000

 187.5988,
219.3532, 106.8679

 1.0107, 1.8574,
0.0000

228.9957,

 0.0000, 0.5226,

265.9750, 137.1611

0.0000

276.0742,
318.7748, 172.6976

■ 0.0000, 0.0000,
0.0000

■ 38.0709, 47.8348,
11.7839

■ 38.0709, 47.8348,
11.7839

■ 37.1005, 47.3869,
9.4483

■ 39.2409, 48.3671,
15.1122

■ 36.3053, 47.0083,
7.9920

■ 40.6250, 48.9845,
19.5245

■ 35.6549, 46.6888,
7.2504

■ 42.2403, 49.6953,
25.1052

■ 35.5243, 46.6241,
7.1270

■ 44.1011, 50.5055,
31.9293

■ 46.2205, 51.4202,
40.0659

■ 48.6107, 52.4443,
49.5788

■ 51.2830, 53.5823,
60.5276

■ 54.2482, 54.8387,
72.9685

■ 57.5164, 56.2173,
86.9547

Harmonies

Analogous

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



49.4469, 47.8348, 10.6897



38.0709, 47.8348, 11.7839



30.1580, 47.8348, 20.5540

Triad

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



38.0709, 47.8348, 11.7839



32.4203, 47.8348, 119.7140



71.7135, 47.8348, 63.9737

Complementary

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



38.0709, 47.8348, 11.7839



14.4917, 8.9163, 51.4121

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.



65.2346, 47.8348, 105.8094



38.0709, 47.8348, 11.7839



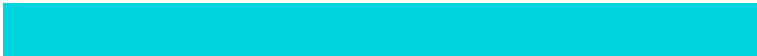
41.7038, 47.8348, 146.0444

Square

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



38.0709, 47.8348, 11.7839



27.3089, 47.8348, 77.9040



53.7606, 47.8348, 140.0762



70.2833, 47.8348, 32.7107

Rectangle

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



38.0709, 47.8348, 11.7839



27.2729, 47.8348, 33.0033



53.7606, 47.8348, 140.0762



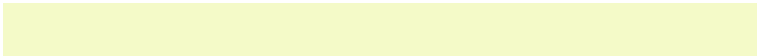
70.3509, 47.8348, 77.3848

Sweetspot

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



38.0720, 47.8370, 11.7849



81.8071, 91.6717, 67.9773



25.5372, 17.0340, 6.5000



17.3164, 19.5658, 13.6813



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.



38.0720, 47.8370, 11.7849



65.7814, 84.5529, 15.5938



26.6509, 41.9492, 11.2504



10.7884, 11.6939, 10.7504



23.6721, 31.0322, 4.7422



1.0575, 1.3587, 0.2065

Inverse Universe

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



14.4917, 8.9163, 51.4121



20.9638, 10.3534, 91.2538



22.6401, 13.1169, 51.7935



9.6401, 9.8056, 12.6694



6.6832, 2.7057, 33.7266



0.3273, 0.1368, 1.4590

Previews

White Background



This preview shows how the XYZ color 38.0709, 47.8348, 11.7839 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 38.0709, 47.8348, 11.7839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

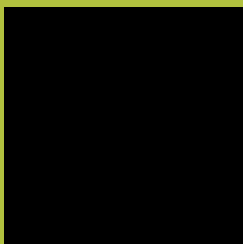
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

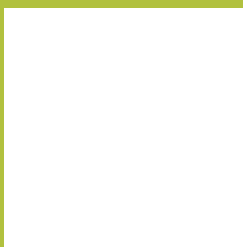
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0709, 47.8348, 11.7839

Background



This preview shows how black text looks on a background with the XYZ color 38.0709, 47.8348, 11.7839.



This preview shows how white text looks on a background with the XYZ color 38.0709, 47.8348,

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

38.0709, 47.8348, 11.7839

Protanopia

43.4097, 47.7290, 11.1997

Deuteranopia

48.4925, 47.3475, 12.0520



Tritanopia

47.4068, 47.5298, 58.3053

Trichromacy



Original Color

38.0709, 47.8348, 11.7839

Protanomaly

41.1183, 47.4797, 11.4122

Deuteranomaly

44.0856, 47.1427, 11.9302

Tritanomaly

42.6230, 47.1188, 34.4521

Monochromacy



Original Color

38.0709, 47.8348, 11.7839

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.0105, 43.3346, 28.5514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0709, 47.8348, 11.7839 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(177, 193, 62)` looks like.

```
.text, #text, p{  
    color:rgb(177, 193, 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(177, 193, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 193, 62) }
```

Border

The CSS property to change the border of an element to XYZ 38.0709, 47.8348, 11.7839 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(177, 193, 62) }
```


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

```
.border{ border-color:rgb(177, 193, 62) }
```

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

Here you see how a box with a 4 pixel rgb(177, 193, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 193, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 193, 62);  
box-shadow:4px 4px 4px 4px rgb(177, 193,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0709, 47.8348, 11.7839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 193, 62) }
```

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

```
.background{ background-color: rgb(177,  
193, 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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