

Converting Colors

XYZ(38.8880, 47.8622, 14.7781)

Have a look what the booklet for
XYZ(38.8880, 47.8622, 14.7781)
contains.

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Color

**XYZ(38.8880, 47.8622,
14.7781)**

Conversions

Conversions Part 1

Format	Color
Hex	B3C050
RGB	179, 192, 80
RGB Percent	70%, 75%, 31%
CMY	0.2980, 0.2470, 0.6863
CMYK	0.07, 0.00, 0.58, 0.25
HSL	67°, 47%, 53%
HSV	67°, 58%, 75%
XYZ	38.8880, 47.8622, 14.7781
YIQ	175.3450, 28.2040, -37.5880

Conversions

Conversions Part 2

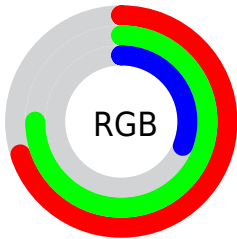
Format	Color
RYB	80, 192, 93
Decimal	11780176
CIELab	74.74, -19.92, 53.66
CIELCh	75, 57.242, 110.367
Yxy	47.8622, 0.3830, 0.4714
Android (android.graphics.Color)	4289970256 (0xFFB3C050)
YUV	175.3450, -47.0051, 3.2054
Hunter-Lab	69.1825, -20.7332, 35.7628

Details

The XYZ color **38.8880, 47.8622, 14.7781** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **16.8990, 11.8714, 51.2728**, and the grayscale version is **41.1534, 43.2966, 47.1500**.

A 20% lighter version of the original color is **72.7261, 86.8328, 35.1176**, and **17.7097, 22.8163, 4.3347** is the 20% darker color. If you saturate the color by 10%, you get **37.7669, 47.3564, 11.5372**, and if you desaturate by 10%, it is **40.2225, 48.4577, 19.0888**.

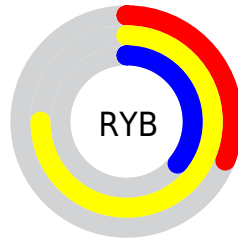
Distribution



Red (70%)

Green (75%)

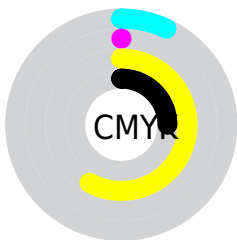
Blue (31%)



Red (31%)

Yellow (75%)

Blue (36%)

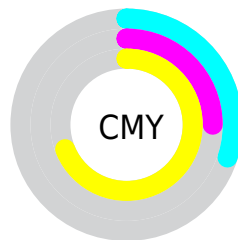


Cyan (7%)

Magenta (0%)

Yellow (58%)

Black (25%)



Cyan (30%)

Magenta (25%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8880, 47.8622, 14.7781 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 38.8880, 47.8622, 14.7781 by changing the saturation by 10% instead.

■ 38.8880, 47.8622,
14.7781

■ 38.8880, 47.8622,
14.7781

332.6294,
378.2457, 233.6135

■ 26.8529, 33.7178,
8.5189

■ 72.7624, 86.9992,
35.2002

■ 17.5988, 22.6769,
4.3362

■ 95.3324, 112.7606,
50.2002

■ 10.7603, 14.3551,
1.8116

■ 122.1447,
143.1630, 68.9509

■ 5.9720, 8.3681,
0.4356

■ 153.5648,
178.5910, 91.8708

■ 2.8686, 4.3313,
0.0000

■ 189.9580,
219.4288, 119.3785

■ 1.0846, 1.8606,
0.0000

231.6896,

■ 0.0122, 0.5245,

266.0610, 151.8925

0.0000

279.1249,
318.8718, 189.8313

■ 0.0000, 0.0000,
0.0000

■ 38.8880, 47.8622,
14.7781

■ 38.8880, 47.8622,
14.7781

■ 37.7669, 47.3564,
11.5372

■ 40.2225, 48.4577,
19.0888

■ 36.8378, 46.9267,
9.2695

■ 41.7826, 49.1427,
24.5491

■ 36.0811, 46.5669,
7.8662

■ 43.5836, 49.9251,
31.2344

■ 35.4634, 46.2636,
7.1526

■ 45.6387, 50.8101,
39.2131

■ 35.3656, 46.2152,
7.0565

■ 47.9598, 51.8024,
48.5484

■ 50.5582, 52.9067,
59.2994

■ 53.4444, 54.1271,
71.5217

■ 56.6286, 55.4676,
85.2680

■ 60.1203, 56.9322,
100.5883

Harmonies

Analogous

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



48.9164, 47.8622, 13.6145



38.8880, 47.8622, 14.7781



31.7774, 47.8622, 23.4790

Triad

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



38.8880, 47.8622, 14.7781



33.9033, 47.8622, 109.7498



68.1620, 47.8622, 62.2838

Complementary

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



38.8880, 47.8622, 14.7781



16.8990, 11.8714, 51.2728

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.



62.6735, 47.8622, 97.7805



38.8880, 47.8622, 14.7781



42.2305, 47.8622, 131.3017

Square

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



38.8880, 47.8622, 14.7781



29.2181, 47.8622, 74.6658



52.8034, 47.8622, 126.2396



66.9035, 47.8622, 34.6324

Rectangle

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



38.8880, 47.8622, 14.7781



29.1530, 47.8622, 35.1599



52.8034, 47.8622, 126.2396



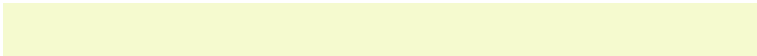
67.0168, 47.8622, 73.7933

Sweetspot

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



38.8891, 47.8644, 14.7791



83.1127, 92.2410, 72.7229



26.9461, 19.3033, 9.8957



17.6585, 19.7150, 14.9211



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.



38.8891, 47.8644, 14.7791



67.9244, 85.5715, 19.5882



28.7277, 42.6260, 14.3036



10.7946, 11.6971, 10.7507



23.8383, 31.1180, 4.7500



1.0633, 1.3617, 0.2068

Inverse Universe

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



16.8990, 11.8714, 51.2728



24.5024, 14.3720, 91.8429



24.4532, 15.7657, 51.6264



9.6345, 9.8028, 12.6692



6.6641, 2.6959, 33.7257



0.3248, 0.1355, 1.4589

Previews

White Background



This preview shows how the XYZ color 38.8880, 47.8622, 14.7781 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 38.8880, 47.8622, 14.7781 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 38.8880, 47.8622, 14.7781

Background



This preview shows how black text looks on a background with the XYZ color 38.8880, 47.8622, 14.7781.



This preview shows how white text looks on a background with the XYZ color 38.8880, 47.8622,

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

38.8880, 47.8622, 14.7781

Protanopia

43.4175, 47.6684, 14.1203

Deuteranopia

48.6482, 47.6467, 15.2270



Tritanopia

47.5447, 47.6139, 57.7235

Trichromacy



Original Color

38.8880, 47.8622, 14.7781

Protanomaly

41.6873, 47.7073, 14.4084

Deuteranomaly

44.6635, 47.3739, 14.9737

Tritanomaly

43.3838, 47.1457, 36.9504

Monochromacy



Original Color

38.8880, 47.8622, 14.7781

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.1620, 44.1713, 31.2728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8880, 47.8622, 14.7781 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(179, 192, 80)` looks like.

```
.text, #text, p{  
    color:rgb(179, 192, 80)  
}
```

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(179, 192, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 192, 80) }
```

Border

The CSS property to change the border of an element to XYZ 38.8880, 47.8622, 14.7781 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(179, 192, 80) }
```


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

```
.border{ border-color:rgb(179, 192, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 192, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 192, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 192, 80);  
box-shadow:4px 4px 4px 4px rgb(179, 192,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8880, 47.8622, 14.7781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 192, 80) }
```

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

```
.background{ background-color: rgb(179,  
192, 80) }
```

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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