

Converting Colors

XYZ(47.3490, 57.3754, 15.8639)

Have a look what the booklet for
XYZ(47.3490, 57.3754, 15.8639)
contains.

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Color

**XYZ(47.2412, 57.3178,
15.7813)**

Conversions

Conversions Part 1

Format	Color
Hex	C7CF4E
RGB	199, 207, 78
RGB Percent	78%, 81%, 31%
CMY	0.2196, 0.1882, 0.6941
CMYK	0.04, 0.00, 0.62, 0.19
HSL	64°, 57%, 56%
HSV	64°, 62%, 81%
XYZ	47.2412, 57.3178, 15.7813
YIQ	189.9020, 36.6410, -41.8150

Conversions

Conversions Part 2

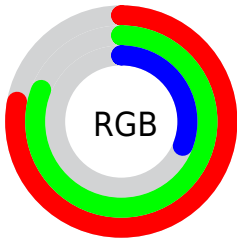
Format	Color
RYB	78, 207, 86
Decimal	13094734
CIELab	80.36, -19.27, 61.08
CIELCh	80, 64.046, 107.513
Yxy	57.3178, 0.3926, 0.4763
Android (android.graphics.Color)	4291284814 (0xFFC7CF4E)
YUV	189.9020, -55.1677, 7.9789
Hunter-Lab	75.7085, -21.1081, 40.6371

Details

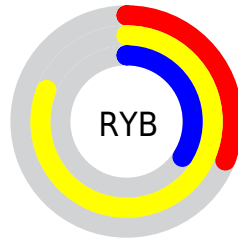
The XYZ color **47.2412, 57.3178, 15.7813** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **17.8264, 11.9335, 60.3987**, and the grayscale version is **49.1813, 51.7426, 56.3477**.

A 20% lighter version of the original color is **81.1649, 94.4459, 35.7818**, and **22.6401, 28.5707, 4.8116** is the 20% darker color. If you saturate the color by 10%, you get **46.2739, 56.8938, 12.4534**, and if you desaturate by 10%, it is **48.4476, 57.8420, 20.3416**.

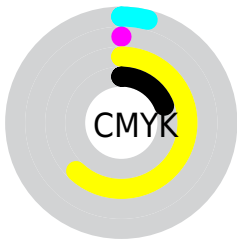
Distribution



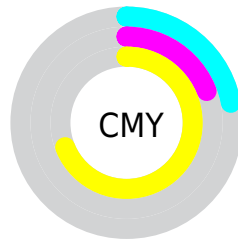
- Red (78%)
- Green (81%)
- Blue (31%)



- Red (31%)
- Yellow (81%)
- Blue (34%)



- Cyan (4%)
- Magenta (0%)
- Yellow (62%)
- Black (19%)



- Cyan (22%)
- Magenta (19%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2412, 57.3178, 15.7813 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 47.2412, 57.3178, 15.7813 by changing the saturation by 10% instead.

■ 47.2412, 57.3178,
15.7813

■ 47.2412, 57.3178,
15.7813

366.4093,
414.6391, 239.8492

■ 33.4351, 41.2604,
9.2169

■ 85.2901, 100.9288,
36.9796

■ 22.6208, 28.5226,
4.7842

■ 110.2636,
129.2511, 52.4505

■ 14.4329, 18.7200,
2.0647

■ 139.6904,
162.4307, 71.7274

■ 8.5061, 11.4681,
0.5946

■ 173.9356,
200.8517, 95.2287

■ 4.4750, 6.3826,
0.0000

■ 213.3648,
244.8987, 123.3730

■ 1.9742, 3.0791,
0.0000

258.3432,

■ 0.6194, 1.1732,

294.9560, 156.5788

0.0000

309.2363,
351.4080, 195.2647

■ 0.0000, 0.0396,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2412, 57.3178,
15.7813

■ 47.2412, 57.3178,
15.7813

■ 46.2739, 56.8938,
12.4534

■ 48.4476, 57.8420,
20.3416

■ 45.5190, 56.5529,
10.2345

■ 49.9089, 58.4664,
26.2353

■ 44.9503, 56.2869,
8.9817

■ 51.6443, 59.2008,
33.5567

■ 44.6031, 56.1186,
8.4811

■ 53.6698, 60.0515,
42.3911

■ 56.0004, 61.0246,
52.8165

■ 58.6498, 62.1256,
64.9061

■ 61.6312, 63.3597,
78.7282

■ 64.9567, 64.7318,
94.3474

■ 67.1026, 65.6324,
103.7394

Harmonies

Analogous

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



60.1116, 57.3178, 15.1352



47.2412, 57.3178, 15.7813



37.9269, 57.3178, 25.2508

Triad

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



47.2412, 57.3178, 15.7813



39.1679, 57.3178, 132.2017



82.9758, 57.3178, 79.3521

Complementary

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



47.2412, 57.3178, 15.7813



17.8264, 11.9335, 60.3987

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.



75.2576, 57.3178, 124.9552



47.2412, 57.3178, 15.7813



49.2094, 57.3178, 162.7327

Square

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



47.2412, 57.3178, 15.7813



33.8057, 57.3178, 86.7470



62.4204, 57.3178, 159.6485



82.2208, 57.3178, 43.1113

Rectangle

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



47.2412, 57.3178, 15.7813



34.3527, 57.3178, 38.6738



62.4204, 57.3178, 159.6485



81.2406, 57.3178, 94.2856

Sweetspot

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



47.2425, 57.3204, 15.7825



87.1100, 96.6972, 72.8167



30.3146, 20.2277, 9.5151



18.4241, 20.6047, 14.6047



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.



47.2425, 57.3204, 15.7825



73.6858, 90.9654, 18.4877



33.8516, 50.4172, 15.1558



12.7280, 13.7587, 12.5969



28.1303, 35.3706, 5.3446



1.5953, 1.9893, 0.2999

Inverse Universe

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



17.8264, 11.9335, 60.3987



22.8196, 12.3796, 95.7945



26.3740, 16.3399, 60.7988



11.2306, 11.4522, 14.8622



7.2266, 2.9058, 37.3725



0.4284, 0.1750, 2.0908

Previews

White Background



This preview shows how the XYZ color 47.2412, 57.3178, 15.7813 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 47.2412, 57.3178, 15.7813 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 47.2412, 57.3178, 15.7813

Background



This preview shows how black text looks on a background with the XYZ color 47.2412, 57.3178, 15.7813.



This preview shows how white text looks on a background with the XYZ color 47.2412, 57.3178,

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

47.2412, 57.3178, 15.7813

Protanopia

51.8521, 56.8982, 15.0870

Deuteranopia

58.1167, 56.7939, 16.0828



Tritanopia

57.9518, 57.1841, 68.3048

Trichromacy



Original Color

47.2412, 57.3178, 15.7813

Protanomaly

50.1916, 57.0730, 15.3920

Deuteranomaly

53.8583, 56.8969, 15.9282

Tritanomaly

52.5886, 56.6855, 41.8879

Monochromacy



Original Color

47.2412, 57.3178, 15.7813

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.1571, 52.9872, 36.1759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2412, 57.3178, 15.7813 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(199, 207, 78)` looks like.

```
.text, #text, p{  
    color:rgb(199, 207, 78)  
}
```

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(199, 207, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 207, 78) }
```

Border

The CSS property to change the border of an element to XYZ 47.2412, 57.3178, 15.7813 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(199, 207, 78) }
```


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

```
.border{ border-color:rgb(199, 207, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 207, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 207, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 207, 78);  
box-shadow:4px 4px 4px 4px rgb(199, 207,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2412, 57.3178, 15.7813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 207, 78) }
```

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

```
.background{ background-color: rgb(199,  
207, 78) }
```

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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