

Converting Colors

XYZ(47.9192, 58.5051, 16.2616)

Have a look what the booklet for
XYZ(47.9192, 58.5051, 16.2616)
contains.

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Color

**XYZ(47.8016, 58.3222,
16.3273)**

Conversions

Conversions Part 1

Format	Color
Hex	C7D150
RGB	199, 209, 80
RGB Percent	78%, 82%, 31%
CMY	0.2196, 0.1804, 0.6863
CMYK	0.05, 0.00, 0.62, 0.18
HSL	65°, 58%, 57%
HSV	65°, 62%, 82%
XYZ	47.8016, 58.3222, 16.3273
YIQ	191.3040, 35.4490, -42.2390

Conversions

Conversions Part 2

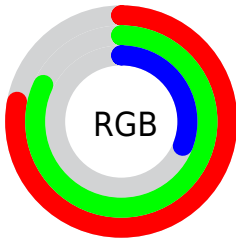
Format	Color
R_{YB}	80, 209, 90
Decimal	13095248
CIE _{Lab}	80.92, -20.13, 60.84
CIE _{LCh}	81, 64.087, 108.303
Yxy	58.3222, 0.3904, 0.4763
Android (android.graphics.Color)	4291285328 (0xFFC7D150)
YUV	191.3040, -54.8729, 6.7494
Hunter-Lab	76.3690, -21.9173, 40.7824

Details

The XYZ color **47.8016, 58.3222, 16.3273** 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 **18.5956, 12.5158, 61.7608**, and the grayscale version is **49.9935, 52.5971, 57.2782**.

A 20% lighter version of the original color is **81.3031, 94.5012, 36.5097**, and **22.9942, 29.2405, 5.0481** is the 20% darker color. If you saturate the color by 10%, you get **46.7191, 57.8419, 12.8540**, and if you desaturate by 10%, it is **49.1316, 58.9063, 21.0679**.

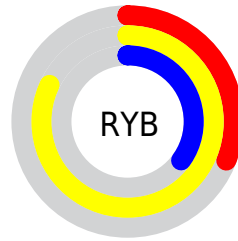
Distribution



Red (78%)

Green (82%)

Blue (31%)



Red (31%)

Yellow (82%)

Blue (35%)

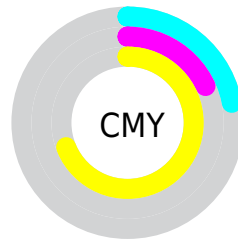


Cyan (5%)

Magenta (0%)

Yellow (62%)

Black (18%)



Cyan (22%)

Magenta (18%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8016, 58.3222, 16.3273 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 47.8016, 58.3222, 16.3273 by changing the saturation by 10% instead.

■ 47.8016, 58.3222,
16.3273

■ 47.8016, 58.3222,
16.3273

368.6009,
418.3855, 243.1767

■ 33.8804, 42.0677,
9.5992

■ 86.1204, 102.3919,
37.9402

■ 22.9642, 29.1543,
5.0319

■ 111.2487,
130.9759, 53.6620

■ 14.6876, 19.1976,
2.2069

■ 140.8435,
164.4386, 73.2188

■ 8.6853, 11.8131,
0.6784

■ 175.2700,
203.1643, 97.0292

■ 4.5920, 6.6166,
0.0000

■ 214.8936,
247.5375, 125.5116

■ 2.0422, 3.2235,
0.0000

260.0798,

■ 0.6575, 1.2495,

297.9424, 159.0846

0.0000

311.1937,
354.7636, 198.1668

■ 0.0000, 0.1016,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8016, 58.3222,
16.3273

■ 47.8016, 58.3222,
16.3273

■ 46.7191, 57.8419,
12.8540

■ 49.1316, 58.9063,
21.0679

■ 45.8568, 57.4481,
10.5226

■ 50.7252, 59.5942,
27.1784

■ 45.1884, 57.1324,
9.1888

■ 52.6017, 60.3958,
34.7549

■ 44.7417, 56.9140,
8.6274

■ 54.7777, 61.3178,
43.8841

■ 57.2683, 62.3661,
54.6458

■ 60.0876, 63.5465,
67.1143

■ 63.2489, 64.8642,
81.3595

■ 66.7648, 66.3242,
97.4472

■ 68.4637, 67.0581,
103.9428

Harmonies

Analogous

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



60.7685, 58.3222, 15.4621



47.8016, 58.3222, 16.3273



38.4831, 58.3222, 26.2454

Triad

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



47.8016, 58.3222, 16.3273



40.1358, 58.3222, 135.1720



84.3566, 58.3222, 79.4982

Complementary

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



47.8016, 58.3222, 16.3273



18.5956, 12.5158, 61.7608

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.



76.7479, 58.3222, 125.5594



47.8016, 58.3222, 16.3273



50.4203, 58.3222, 165.2844

Square

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



47.8016, 58.3222, 16.3273



34.5686, 58.3222, 89.3222



63.8373, 58.3222, 161.1959



83.3541, 58.3222, 43.2107

Rectangle

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



47.8016, 58.3222, 16.3273



34.9473, 58.3222, 40.1396



63.8373, 58.3222, 161.1959



82.6775, 58.3222, 94.5266

Sweetspot

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



47.8030, 58.3249, 16.3285



86.8384, 96.5572, 72.8040



31.2836, 21.2144, 10.0361



18.3574, 20.5703, 14.6016



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.



47.8030, 58.3249, 16.3285



72.8110, 90.5059, 18.8326



34.3877, 51.4091, 15.7007



12.7092, 13.7490, 12.5960



27.6229, 35.1091, 5.3209



1.5720, 1.9772, 0.2988

Inverse Universe

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



18.5956, 12.5158, 61.7608



23.4037, 12.8981, 95.8638



27.5349, 17.1241, 62.1791



11.2474, 11.4609, 14.8630



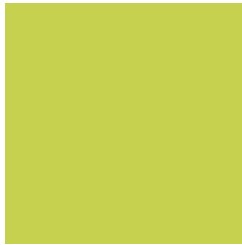
7.2626, 2.9243, 37.3742



0.4364, 0.1791, 2.0911

Previews

White Background



This preview shows how the XYZ color 47.8016, 58.3222, 16.3273 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 47.8016, 58.3222, 16.3273 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 47.8016, 58.3222, 16.3273

Background



This preview shows how black text looks on a background with the XYZ color 47.8016, 58.3222, 16.3273.



This preview shows how white text looks on a background with the XYZ color 47.8016, 58.3222,

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

47.8016, 58.3222, 16.3273

Protanopia

53.0023, 58.1706, 15.6423

Deuteranopia

59.3774, 58.0732, 16.8838



Tritanopia

58.6492, 58.1801, 69.7667

Trichromacy



Original Color

47.8016, 58.3222, 16.3273

Protanomaly

51.0285, 58.1973, 15.9409

Deuteranomaly

54.7493, 58.0172, 16.7003

Tritanomaly

53.2296, 57.6830, 42.9788

Monochromacy



Original Color

47.8016, 58.3222, 16.3273

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.0281, 54.0919, 37.1876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8016, 58.3222, 16.3273 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, 209, 80)` looks like.

```
.text, #text, p{  
    color:rgb(199, 209, 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(199, 209, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 209, 80) }
```

Border

The CSS property to change the border of an element to XYZ 47.8016, 58.3222, 16.3273 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, 209, 80) }
```


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

```
.border{ border-color:rgb(199, 209, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 209, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 209, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 209, 80);  
box-shadow:4px 4px 4px 4px rgb(199, 209,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8016, 58.3222, 16.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 209, 80) }
```

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

```
.background{ background-color: rgb(199,  
209, 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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