

Converting Colors

XYZ(48.0261, 58.8706, 17.1020)

Have a look what the booklet for
XYZ(48.0261, 58.8706, 17.1020)
contains.

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Color

**XYZ(47.8966, 58.7235,
16.9940)**

Conversions

Conversions Part 1

Format	Color
Hex	C6D253
RGB	198, 210, 83
RGB Percent	78%, 82%, 33%
CMY	0.2235, 0.1764, 0.6745
CMYK	0.06, 0.00, 0.60, 0.18
HSL	66°, 59%, 57%
HSV	66°, 60%, 82%
XYZ	47.8966, 58.7235, 16.9940
YIQ	191.9340, 33.6150, -42.0410

Conversions

Conversions Part 2

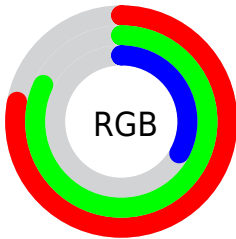
Format	Color
R _Y B	83, 210, 95
Decimal	13029971
CIE Lab	81.14, -20.82, 59.80
CIE LCh	81, 63.320, 109.194
Yxy	58.7235, 0.3875, 0.4751
Android (android.graphics.Color)	4291220051 (0xFFC6D253)
YUV	191.9340, -53.7045, 5.3199
Hunter-Lab	76.6313, -22.5374, 40.4935

Details

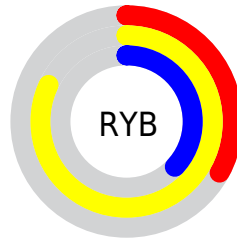
The XYZ color **47.8966, 58.7235, 16.9940** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **19.4475, 13.2740, 62.5135**, and the grayscale version is **50.3557, 52.9781, 57.6931**.

A 20% lighter version of the original color is **81.5154, 94.5861, 37.6275**, and **23.0378, 29.5056, 5.3451** is the 20% darker color. If you saturate the color by 10%, you get **46.6862, 58.1814, 13.3274**, and if you desaturate by 10%, it is **49.3622, 59.3727, 21.9563**.

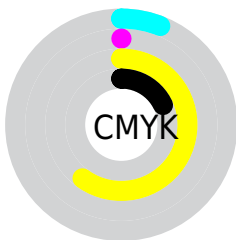
Distribution



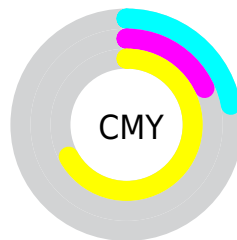
- Red (78%)
- Green (82%)
- Blue (33%)



- Red (33%)
- Yellow (82%)
- Blue (37%)



- Cyan (6%)
- Magenta (0%)
- Yellow (60%)
- Black (18%)



- Cyan (22%)
- Magenta (18%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8966, 58.7235, 16.9940 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 47.8966, 58.7235, 16.9940 by changing the saturation by 10% instead.

47.8966, 58.7235,
16.9940

47.8966, 58.7235,
16.9940

368.9715,
419.8765, 247.1806

33.9559, 42.3906,
10.0683

86.2611, 102.9757,
39.1060

23.0225, 29.4072,
5.3381

111.4155,
131.6638, 55.1293

14.7309, 19.3891,
2.3848

141.0387,
165.2390, 75.0223

8.7158, 11.9518,
0.7781

175.4958,
204.0858, 99.2035

4.6119, 6.7108,
0.0000

215.1523,
248.5885, 128.0913

2.0538, 3.2819,
0.0000

260.3735,

0.6639, 1.2806,

299.1316, 162.1044

0.0000

311.5248,
356.0995, 201.6613

■ 0.0000, 0.1261,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8966, 58.7235,
16.9940

■ 47.8966, 58.7235,
16.9940

■ 46.6862, 58.1814,
13.3274

■ 49.3622, 59.3727,
21.9563

■ 45.7038, 57.7292,
10.8321

■ 51.0989, 60.1291,
28.3166

■ 44.9235, 57.3586,
9.3655

■ 53.1263, 61.0025,
36.1710

■ 44.3213, 57.0627,
8.6782

■ 55.4607, 61.9995,
45.6062

■ 58.1174, 63.1262,
56.7022

■ 61.1105, 64.3883,
69.5337

■ 64.4535, 65.7912,
84.1706

■ 68.1589, 67.3398,
100.6793

■ 69.3776, 67.8946,
104.0561

Harmonies

Analogous

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



60.6981, 58.7235, 15.8840



47.8966, 58.7235, 16.9940



38.7579, 58.7235, 27.2923

Triad

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



47.8966, 58.7235, 16.9940



40.8484, 58.7235, 136.0416



84.5662, 58.7235, 78.5224

Complementary

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



47.8966, 58.7235, 16.9940



19.4475, 13.2740, 62.5135

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.



77.2601, 58.7235, 124.0057



47.8966, 58.7235, 16.9940



51.2009, 58.7235, 164.9051

Square

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



47.8966, 58.7235, 16.9940



35.1531, 58.7235, 90.8698



64.5611, 58.7235, 159.7951



83.3078, 58.7235, 42.9375

Rectangle

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



47.8966, 58.7235, 16.9940



35.3324, 58.7235, 41.4848



64.5611, 58.7235, 159.7951



82.9902, 58.7235, 93.3134

Sweetspot

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



47.8980, 58.7262, 16.9952



86.9426, 96.5747, 74.4450



32.1075, 22.2593, 10.7886



18.3631, 20.5663, 14.9193



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.



47.8980, 58.7262, 16.9952



71.8890, 90.0217, 19.1928



34.7500, 51.9482, 16.3799



12.6887, 13.7385, 12.5951



27.0800, 34.8292, 5.2954



1.5469, 1.9643, 0.2976

Inverse Universe

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



19.4475, 13.2740, 62.5135



24.0480, 13.4576, 95.9378



28.6490, 18.0175, 62.9441



11.2659, 11.4704, 14.8639



7.3080, 2.9477, 37.3763



0.4450, 0.1836, 2.0915

Previews

White Background



This preview shows how the XYZ color 47.8966, 58.7235, 16.9940 looks on a white background.

Color Contrast Check

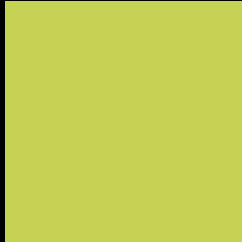
Large Text (above 18pt) WCAG AA × Fail

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 47.8966, 58.7235, 16.9940 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 47.8966, 58.7235, 16.9940

Background



This preview shows how black text looks on a background with the XYZ color 47.8966, 58.7235, 16.9940.



This preview shows how white text looks on a background with the XYZ color 47.8966, 58.7235,

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

47.8966, 58.7235, 16.9940

Protanopia

53.3462, 58.6824, 16.2998

Deuteranopia

59.4592, 58.1059, 17.3142



Tritanopia

58.7139, 58.5349, 70.4912

Trichromacy



Original Color

47.8966, 58.7235, 16.9940

Protanomaly

51.3786, 58.7189, 16.6086

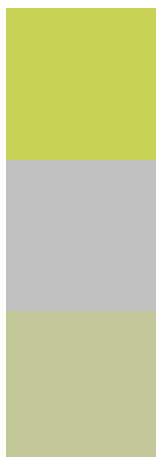
Deuteranomaly

54.5069, 57.8830, 17.1038

Tritanomaly

53.3657, 58.0795, 43.9951

Monochromacy



Original Color

47.8966, 58.7235, 16.9940

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.3391, 54.5832, 37.6936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8966, 58.7235, 16.9940 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(198, 210, 83)` looks like.

```
.text, #text, p{  
    color:rgb(198, 210, 83)  
}
```

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(198, 210, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 210, 83) }
```

Border

The CSS property to change the border of an element to XYZ 47.8966, 58.7235, 16.9940 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(198, 210, 83) }
```


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

```
.border{ border-color:rgb(198, 210, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 210, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 210, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 210, 83);  
box-shadow:4px 4px 4px 4px rgb(198, 210,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8966, 58.7235, 16.9940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 210, 83) }
```

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

```
.background{ background-color: rgb(198,  
210, 83) }
```

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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