

Converting Colors

XYZ(49.7171, 58.4711, 16.2347)

Have a look what the booklet for
XYZ(49.7171, 58.4711, 16.2347)
contains.

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Color

**XYZ(49.7732, 58.6147,
16.2799)**

Conversions

Conversions Part 1

Format	Color
Hex	D0CF50
RGB	208, 207, 80
RGB Percent	82%, 81%, 31%
CMY	0.1843, 0.1882, 0.6863
CMYK	0.00, 0.00, 0.62, 0.18
HSL	60°, 58%, 56%
HSV	60°, 62%, 82%
XYZ	49.7732, 58.6147, 16.2799
YIQ	192.8210, 41.3630, -39.2850

Conversions

Conversions Part 2

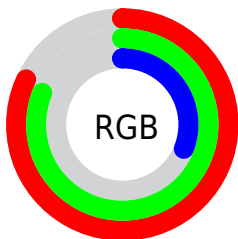
Format	Color
R _{YB}	81, 208, 80
Decimal	13684560
CIE Lab	81.08, -15.43, 61.23
CIE LCh	81, 63.141, 104.144
Yxy	58.6147, 0.3992, 0.4702
Android (android.graphics.Color)	4291874640 (0xFFD0CF50)
YUV	192.8210, -55.6208, 13.3120
Hunter-Lab	76.5602, -17.9343, 40.9846

Details

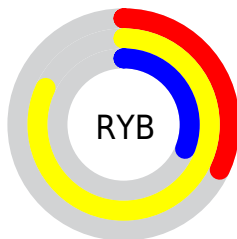
The XYZ color **49.7732, 58.6147, 16.2799** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **17.6360, 12.1443, 61.0887**, and the grayscale version is **50.8842, 53.5341, 58.2986**.

A 20% lighter version of the original color is **81.3031, 94.5012, 36.5097**, and **24.2713, 29.4088, 5.0133** is the 20% darker color. If you saturate the color by 10%, you get **49.0821, 58.2778, 12.8273**, and if you desaturate by 10%, it is **50.7050, 59.0522, 20.9874**.

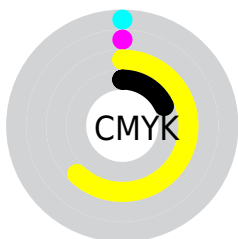
Distribution



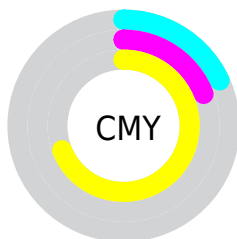
- Red (82%)
- Green (81%)
- Blue (31%)



- Red (32%)
- Yellow (82%)
- Blue (31%)



- Cyan (0%)
- Magenta (0%)
- Yellow (62%)
- Black (18%)





- Cyan (18%)
- Magenta (19%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7732, 58.6147, 16.2799 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 49.7732, 58.6147, 16.2799 by changing the saturation by 10% instead.


 49.7732, 58.6147,
16.2799


 49.7732, 58.6147,
16.2799


376.2450,
419.4726, 242.8896

 35.4503, 42.3030,
9.5659


 89.0326, 102.8175,
37.8570

 24.1781, 29.3386,
5.0103


 114.6998,
131.4773, 53.5572


 15.5912, 19.3372,
2.1945


 144.8791,
165.0221, 73.0899

 9.3244, 11.9141,
0.6712

 179.9359,
203.8361, 96.8736

 5.0122, 6.6852,
0.0000

 220.2355,
248.3037, 125.3269

 2.2892, 3.2660,
0.0000

266.1433,

 0.7891, 1.2722,

298.8094, 158.8683

0.0000

318.0247,
355.7376, 197.9163

■ 0.0000, 0.1195,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7732, 58.6147,
16.2799

■ 49.7732, 58.6147,
16.2799

■ 49.0821, 58.2778,
12.8273

■ 50.7050, 59.0522,
20.9874

■ 48.6047, 58.0244,
10.5062

■ 51.8932, 59.5902,
27.0510

■ 48.3152, 57.8461,
9.1744

■ 53.3569, 60.2385,
34.5655

■ 48.1762, 57.7377,
8.6053

■ 55.1125, 61.0035,
43.6163

■ 57.1748, 61.8914,
54.2823

■ 59.5577, 62.9075,
66.6368

■ 62.2745, 64.0573,
80.7488

■ 65.3374, 65.3455,
96.6833

■ 66.7303, 65.9658,
103.8234

Harmonies

Analogous

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



62.8898, 58.6147, 16.5055



49.7732, 58.6147, 16.2799



39.9282, 58.6147, 24.7565

Triad

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



49.7732, 58.6147, 16.2799



39.5031, 58.6147, 128.4988



83.6632, 58.6147, 85.6586

Complementary

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



49.7732, 58.6147, 16.2799



17.6360, 12.1443, 61.0887

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.



75.1866, 58.6147, 130.9465



49.7732, 58.6147, 16.2799



49.1013, 58.6147, 161.5623

Square

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



49.7732, 58.6147, 16.2799



34.6603, 58.6147, 83.1481



62.1043, 58.6147, 162.6017



83.9192, 58.6147, 47.7488

Rectangle

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



49.7732, 58.6147, 16.2799



35.9588, 58.6147, 37.2207



62.1043, 58.6147, 162.6017



81.6276, 58.6147, 100.7861

Sweetspot

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



49.7746, 58.6174, 16.2811



88.4074, 97.1612, 74.4810



30.4095, 19.7590, 10.2212



18.7266, 20.7117, 14.9283



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.



49.7746, 58.6174, 16.2811



77.5266, 92.2456, 18.9198



35.8820, 51.8141, 15.7002



12.7953, 13.7812, 12.5977



30.0299, 35.9927, 5.3645



1.6817, 2.0177, 0.3008

Inverse Universe

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



17.6360, 12.1443, 61.0887



22.3700, 12.4946, 95.8404



25.3868, 16.0311, 61.4305



11.1710, 11.4322, 14.8615



7.1101, 2.8667, 37.3711



0.4002, 0.1656, 2.0904

Previews

White Background



This preview shows how the XYZ color 49.7732, 58.6147, 16.2799 looks on a white background.

Color Contrast Check

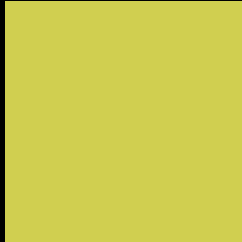
Large Text (above 18pt) WCAG AA × Fail

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 49.7732, 58.6147, 16.2799 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 49.7732, 58.6147, 16.2799

Background



This preview shows how black text looks on a background with the XYZ color 49.7732, 58.6147, 16.2799.



This preview shows how white text looks on a background with the XYZ color 49.7732, 58.6147,

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

49.7732, 58.6147, 16.2799

Protanopia

53.2361, 58.6384, 15.7202

Deuteranopia

59.6948, 58.2415, 16.6898



Tritanopia

60.3156, 58.4027, 68.4155

Trichromacy



Original Color

49.7732, 58.6147, 16.2799

Protanomaly

51.9176, 58.6557, 15.9825

Deuteranomaly

55.7885, 58.2192, 16.4807

Tritanomaly

55.2639, 58.0544, 42.4753

Monochromacy



Original Color

49.7732, 58.6147, 16.2799

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.1503, 54.6609, 37.6659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7732, 58.6147, 16.2799 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(208, 207, 80)` looks like.

```
.text, #text, p{  
    color:rgb(208, 207, 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(208, 207, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 207, 80) }
```

Border

The CSS property to change the border of an element to XYZ 49.7732, 58.6147, 16.2799 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(208, 207, 80) }
```


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

```
.border{ border-color:rgb(208, 207, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 207, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 207, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 207, 80);  
box-shadow:4px 4px 4px 4px rgb(208, 207,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7732, 58.6147, 16.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 207, 80) }
```

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

```
.background{ background-color: rgb(208,  
207, 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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