

Converting Colors

XYZ(49.3801, 57.9215, 10.7957)

Have a look what the booklet for
XYZ(49.3801, 57.9215, 10.7957)
contains.

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Color

**XYZ(49.4006, 57.8269,
10.7485)**

Conversions

Conversions Part 1

Format	Color
Hex	D4CD2A
RGB	212, 205, 42
RGB Percent	83%, 80%, 16%
CMY	0.1686, 0.1961, 0.8353
CMYK	0.00, 0.03, 0.80, 0.17
HSL	58°, 67%, 50%
HSV	58°, 80%, 83%
XYZ	49.4006, 57.8269, 10.7485
YIQ	188.5110, 56.4950, -49.2090

Conversions

Conversions Part 2

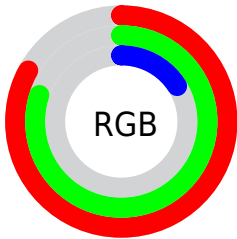
Format	Color
R _{YB}	49, 212, 42
Decimal	13946154
CIE Lab	80.64, -14.55, 74.19
CIE LCh	81, 75.606, 101.099
Yxy	57.8269, 0.4187, 0.4902
Android (android.graphics.Color)	4292136234 (0xFFD4CD2A)
YUV	188.5110, -72.2299, 20.5999
Hunter-Lab	76.0440, -17.1177, 44.8504

Details

The XYZ color **49.4006, 57.8269, 10.7485** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **13.9371, 7.4425, 62.9888**, and the grayscale version is **48.4688, 50.9929, 55.5313**.

A 20% lighter version of the original color is **79.4482, 93.7593, 26.7419**, and **24.2035, 28.9055, 4.3037** is the 20% darker color. If you saturate the color by 10%, you get **48.9094, 57.2997, 9.1823**, and if you desaturate by 10%, it is **50.0961, 58.4420, 13.3732**.

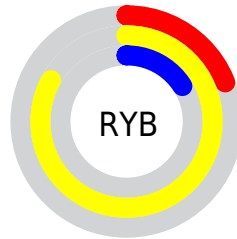
Distribution



Red (83%)

Green (80%)

Blue (16%)



Red (19%)

Yellow (83%)

Blue (16%)

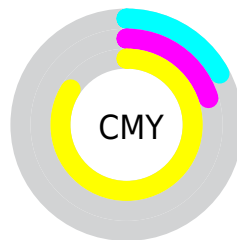


Cyan (0%)

Magenta (3%)

Yellow (80%)

Black (17%)



Cyan (17%)


Magenta (20%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4006, 57.8269, 10.7485 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 49.4006, 57.8269, 10.7485 by changing the saturation by 10% instead.


 49.4006, 57.8269,
10.7485

 49.4006, 57.8269,
10.7485


374.8081,
416.5406, 206.6090

 35.1532, 41.6695,
5.7859


 88.4833, 101.6707,
27.8237

 23.9480, 28.8426,
2.6487


 114.0493,
130.1260, 40.7733


 15.4196, 18.9618,
0.9174


 144.1189,
163.4493, 57.2225

 9.2026, 11.6427,
0.0000

 179.0574,
202.0250, 77.5896

 4.9317, 6.5009,
0.0000

 219.2303,
246.2377, 102.2933

 2.2416, 3.1520,
0.0000

 265.0028,

 0.7645, 1.2116,

296.4715, 131.7521

0.0000

316.7403,
353.1111, 166.3845

■ 0.0000, 0.0711,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.4006, 57.8269,
10.7485

■ 49.4006, 57.8269,
10.7485

■ 48.9094, 57.2997,
9.1823

■ 50.0961, 58.4420,
13.3732

■ 48.5727, 56.8401,
8.4112

■ 51.0197, 59.1481,
17.1991

■ 52.1962, 59.9572,
22.3507

■ 53.6460, 60.8774,
28.9360

■ 55.3875, 61.9163,
37.0518

■ 57.4376, 63.0804,
46.7866

■ 59.8118, 64.3761,
58.2222

■ 62.5245, 65.8090,
71.4347

■ 65.5893, 67.3847,
86.4958

Harmonies

Analogous

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



65.2384, 57.8269, 11.7044



49.4006, 57.8269, 10.7485



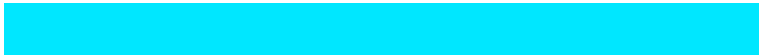
37.5436, 57.8269, 17.9430

Triad

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



49.4006, 57.8269, 10.7485



35.3542, 57.8269, 137.7822



88.4164, 57.8269, 95.0090

Complementary

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



49.4006, 57.8269, 10.7485



13.9371, 7.4425, 62.9888

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.



77.0763, 57.8269, 152.1548



49.4006, 57.8269, 10.7485



45.8270, 57.8269, 183.8425

Square

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



49.4006, 57.8269, 10.7485



30.5152, 57.8269, 80.9461



60.9274, 57.8269, 190.0781



89.8713, 57.8269, 47.8636

Rectangle

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



49.4006, 57.8269, 10.7485



32.7053, 57.8269, 29.9603



60.9274, 57.8269, 190.0781



85.5463, 57.8269, 114.1352

Sweetspot

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



49.4019, 57.8296, 10.7497



85.9172, 95.0702, 64.7433



28.5661, 15.8881, 4.6364



18.1531, 20.2140, 12.7354



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.



49.4019, 57.8296, 10.7497



73.9269, 86.5444, 13.1013



34.0341, 52.4465, 10.5206



13.4270, 14.4282, 13.2380



30.0055, 35.1282, 5.1990



1.8237, 2.1465, 0.3182

Inverse Universe

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



13.9371, 7.4425, 62.9888



18.4326, 7.7957, 95.1410



20.2516, 10.2968, 63.2069



11.7832, 12.0898, 15.6500



7.4127, 3.0871, 38.6583



0.4619, 0.2157, 2.3366

Previews

White Background



This preview shows how the XYZ color 49.4006, 57.8269, 10.7485 looks on a white background.

Color Contrast Check

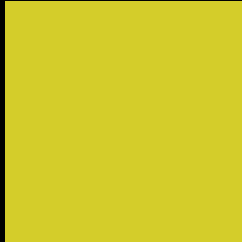
Large Text (above 18pt) WCAG AA × Fail

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 49.4006, 57.8269, 10.7485 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 49.4006, 57.8269, 10.7485

Background



This preview shows how black text looks on a background with the XYZ color 49.4006, 57.8269, 10.7485.

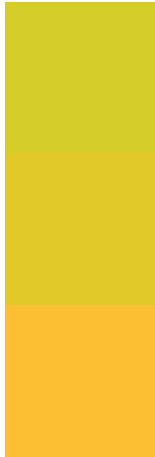


This preview shows how white text looks on a background with the XYZ color 49.4006, 57.8269,

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

49.4006, 57.8269, 10.7485

Protanopia

52.3382, 57.9409, 10.5230

Deuteranopia

59.1341, 57.7526, 11.0483



Tritanopia

60.8227, 57.7254, 66.3289

Trichromacy



Original Color

49.4006, 57.8269, 10.7485

Protanomaly

51.0360, 57.6168, 10.5291

Deuteranomaly

54.9532, 57.2400, 10.8414

Tritanomaly

54.4434, 56.7708, 35.2825

Monochromacy



Original Color

49.4006, 57.8269, 10.7485

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

46.9850, 52.6781, 30.9841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4006, 57.8269, 10.7485 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(212, 205, 42)` looks like.

```
.text, #text, p{  
    color:rgb(212, 205, 42)  
}
```

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(212, 205, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 205, 42) }
```

Border

The CSS property to change the border of an element to XYZ 49.4006, 57.8269, 10.7485 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(212, 205, 42) }
```


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

```
.border{ border-color:rgb(212, 205, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 205, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 205, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 205, 42);  
box-shadow:4px 4px 4px 4px rgb(212, 205,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4006, 57.8269, 10.7485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 205, 42) }
```

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

```
.background{ background-color: rgb(212,  
205, 42) }
```

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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