

Converting Colors

XYZ(46.8749, 54.3773, 7.2000)

Have a look what the booklet for
XYZ(46.8749, 54.3773, 7.2000)
contains.

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Color

**XYZ(47.0018, 54.5485,
8.0517)**

Conversions

Conversions Part 1

Format	Color
Hex	D2C700
RGB	210, 199, 0
RGB Percent	82%, 78%, 0%
CMY	0.1765, 0.2196, 0.9999
CMYK	0.00, 0.05, 1.00, 0.18
HSL	57°, 100%, 41%
HSV	57°, 100%, 82%
XYZ	47.0018, 54.5485, 8.0517
YIQ	179.6030, 70.4350, -59.5570

Conversions

Conversions Part 2

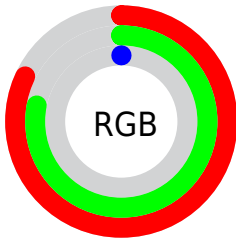
Format	Color
R _Y B	12, 210, 0
Decimal	13813504
CIE Lab	78.78, -13.14, 79.47
CIE LCh	79, 80.547, 99.392
Yxy	54.5485, 0.4288, 0.4977
Android (android.graphics.Color)	4292003584 (0xFFD2C700)
YUV	179.6030, -88.5443, 26.6582
Hunter-Lab	73.8570, -15.6541, 45.2362

Details

The XYZ color **47.0018, 54.5485, 8.0517** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **11.7530, 4.8930, 61.2973**, and the grayscale version is **43.6054, 45.8763, 49.9593**.

A 20% lighter version of the original color is **78.6002, 93.4201, 22.2767**, and **23.0414, 27.1371, 4.0236** is the 20% darker color. If you saturate the color by 10%, you get **47.0026, 54.5504, 8.0520**, and if you desaturate by 10%, it is **47.3924, 55.1131, 8.8507**.

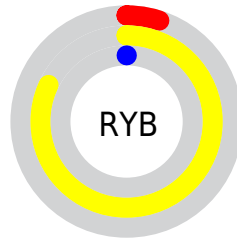
Distribution



Red (82%)

Green (78%)

Blue (0%)



Red (5%)

Yellow (82%)

Blue (0%)

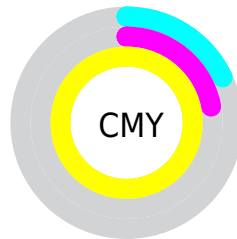


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0018, 54.5485, 8.0517 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 47.0018, 54.5485, 8.0517 by changing the saturation by 10% instead.


 47.0018, 54.5485,
8.0517


 47.0018, 54.5485,
8.0517


365.4705,
404.1982, 186.0867

 33.2450, 39.0404,
4.0398


 84.9350, 96.8791,
22.6076

 22.4744, 26.7911,
1.6472

 109.8422,
124.4704, 33.9886


 14.3244, 17.4164,
0.3242

 139.1969,
156.8581, 48.6632

 8.4299, 10.5318,
0.0000

 173.3645,
194.4268, 67.0497

 4.4253, 5.7530,
0.0000

 212.7102,
237.5607, 89.5668

 1.9455, 2.6955,
0.0000

 257.5996,

 0.6030, 0.9749,

286.6443, 116.6329

0.0000

308.3979,
342.0620, 148.6667

■ 0.0000, 0.0000,
0.0000

■ 47.0018, 54.5485,
8.0517

■ 47.0018, 54.5485,
8.0517

■ 47.0026, 54.5504,
8.0520

■ 47.3924, 55.1131,
8.8507

■ 47.9309, 55.7377,
10.4250

■ 48.6680, 56.4447,
13.0361

■ 49.6307, 57.2448,
16.8261

■ 50.8419, 58.1473,
21.9151

■ 52.3214, 59.1601,
28.4083

■ 54.0873, 60.2903,
36.4003

■ 56.1558, 61.5447,
45.9772

■ 58.5423, 62.9291,
57.2189

Harmonies

Analogous

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



63.4070, 54.5485, 9.2820



47.0018, 54.5485, 8.0517



34.7188, 54.5485, 14.0919

Triad

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



47.0018, 54.5485, 8.0517



31.5747, 54.5485, 134.3822



86.1736, 54.5485, 95.9802

Complementary

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



47.0018, 54.5485, 8.0517



11.7530, 4.8930, 61.2973

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.



73.8447, 54.5485, 156.4064



47.0018, 54.5485, 8.0517



41.7846, 54.5485, 185.3589

Square

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



47.0018, 54.5485, 8.0517



27.0950, 54.5485, 74.9093



57.0136, 54.5485, 195.0100



88.3688, 54.5485, 46.1843

Rectangle

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



47.0018, 54.5485, 8.0517



29.6786, 54.5485, 24.9599



57.0136, 54.5485, 195.0100



82.9723, 54.5485, 116.2739

Sweetspot

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



47.0030, 54.5511, 8.0528



83.8217, 93.4855, 56.0098



26.6578, 13.7338, 1.6622



17.6807, 19.8454, 10.8017



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.



47.0030, 54.5511, 8.0528



72.8878, 84.5555, 12.4793



30.6557, 50.0156, 8.0390



12.7482, 13.6871, 12.5820



28.6947, 33.3224, 4.9195



1.6210, 1.8964, 0.2806

Inverse Universe

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



11.7530, 4.8930, 61.2973



18.1985, 7.5169, 95.0995



15.9488, 6.8785, 61.4594



11.2126, 11.5155, 14.8754



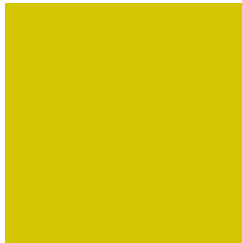
7.1915, 3.0296, 37.3982



0.4199, 0.2051, 2.0970

Previews

White Background



This preview shows how the XYZ color 47.0018, 54.5485, 8.0517 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 47.0018, 54.5485, 8.0517 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 47.0018, 54.5485, 8.0517

Background



This preview shows how black text looks on a background with the XYZ color 47.0018, 54.5485, 8.0517.

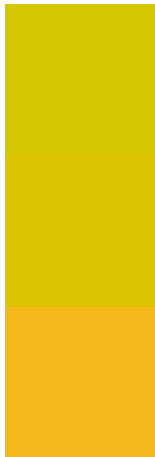


This preview shows how white text looks on a background with the XYZ color 47.0018, 54.5485,

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

47.0018, 54.5485, 8.0517

Protanopia

49.2551, 54.6955, 7.9613

Deuteranopia

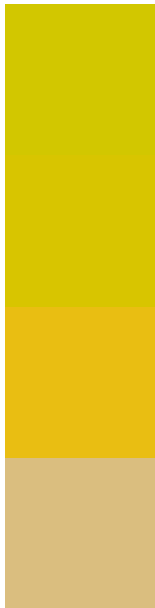
55.5646, 54.3746, 8.6654



Tritanopia

57.7820, 54.3510, 61.4782

Trichromacy



Original Color

47.0018, 54.5485, 8.0517

Protanomaly

48.2852, 54.5314, 7.9807

Deuteranomaly

52.1269, 54.1942, 8.2854

Tritanomaly

51.1577, 53.2646, 27.6635

Monochromacy



Original Color

47.0018, 54.5485, 8.0517

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.3507, 47.8548, 23.2244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0018, 54.5485, 8.0517 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(210, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 199, 0)  
}
```

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(210, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.0018, 54.5485, 8.0517 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(210, 199, 0) }
```


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

```
.border{ border-color:rgb(210, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(210, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0018, 54.5485, 8.0517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 199, 0) }
```

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

```
.background{ background-color: rgb(210,  
199, 0) }
```

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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