

Converting Colors

XYZ(46.5308, 53.9948, 7.9631)

Have a look what the booklet for
XYZ(46.5308, 53.9948, 7.9631)
contains.

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Color

**XYZ(46.4886, 53.9435,
7.9619)**

Conversions

Conversions Part 1

Format	Color
Hex	D1C600
RGB	209, 198, 0
RGB Percent	82%, 78%, 0%
CMY	0.1804, 0.2235, 0.9999
CMYK	0.00, 0.05, 1.00, 0.18
HSL	57°, 100%, 41%
HSV	57°, 100%, 82%
XYZ	46.4886, 53.9435, 7.9619
YIQ	178.7170, 70.1140, -59.2460

Conversions

Conversions Part 2

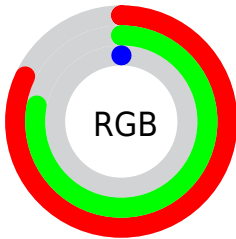
Format	Color
R _Y B	12, 209, 0
Decimal	13747712
CIE Lab	78.43, -13.07, 79.17
CIE LCh	78, 80.246, 99.375
Yxy	53.9435, 0.4289, 0.4977
Android (android.graphics.Color)	4291937792 (0xFFD1C600)
YUV	178.7170, -88.1075, 26.5582
Hunter-Lab	73.4462, -15.5474, 44.9851

Details

The XYZ color **46.4886, 53.9435, 7.9619** 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 **11.6287, 4.8433, 60.6431**, and the grayscale version is **43.1277, 45.3737, 49.4120**.

A 20% lighter version of the original color is **78.2820, 92.7837, 22.1707**, and **22.7031, 26.7348, 3.9638** is the 20% darker color. If you saturate the color by 10%, you get **46.4894, 53.9455, 7.9623**, and if you desaturate by 10%, it is **46.8766, 54.5044, 8.7554**.

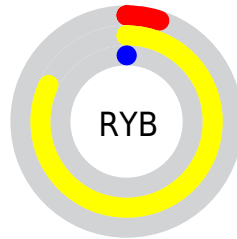
Distribution



Red (82%)

Green (78%)

Blue (0%)



Red (5%)

Yellow (82%)

Blue (0%)

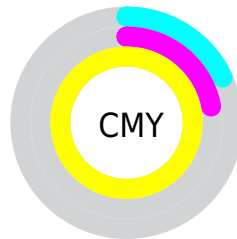


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4886, 53.9435, 7.9619 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 46.4886, 53.9435, 7.9619 by changing the saturation by 10% instead.


 46.4886, 53.9435,
7.9619

 46.4886, 53.9435,
7.9619


363.4526,
401.8945, 185.3563


 32.8378, 38.5565,
3.9832


 84.1732, 95.9913,
22.4287


 22.1609, 26.4149,
1.6161


 108.9376,
123.4208, 33.7537


 14.0924, 17.1343,
0.3023


 138.1374,
155.6334, 48.3647

 8.2671, 10.3303,
0.0000

 172.1377,
193.0133, 66.6801

 4.3196, 5.6185,
0.0000

 211.3041,
235.9450, 89.1184

 1.8845, 2.6145,
0.0000

 256.0018,

 0.5678, 0.9340,

284.8128, 116.0981

0.0000

306.5962,
340.0012, 148.0379

■ 0.0000, 0.0000,
0.0000

■ 46.4886, 53.9435,
7.9619

■ 46.4886, 53.9435,
7.9619

■ 46.4894, 53.9455,
7.9623

■ 46.8766, 54.5044,
8.7554

■ 47.4108, 55.1245,
10.3151

■ 48.1414, 55.8262,
12.9002

■ 49.0951, 56.6201,
16.6512

■ 50.2945, 57.5152,
21.6868

■ 51.7593, 58.5194,
28.1109

■ 53.5073, 59.6398,
36.0170

■ 55.5546, 60.8830,
45.4902

■ 57.9162, 62.2548,
56.6095

Harmonies

Analogous

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



62.7127, 53.9435, 9.1822



46.4886, 53.9435, 7.9619



34.3392, 53.9435, 13.9302

Triad

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



46.4886, 53.9435, 7.9619



31.2210, 53.9435, 132.8565



85.2126, 53.9435, 94.9465

Complementary

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



46.4886, 53.9435, 7.9619



11.6287, 4.8433, 60.6431

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.



73.0166, 53.9435, 154.6984



46.4886, 53.9435, 7.9619



41.3143, 53.9435, 183.2802

Square

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



46.4886, 53.9435, 7.9619



26.7941, 53.9435, 74.0496



56.3721, 53.9435, 192.8513



87.3896, 53.9435, 45.6930

Rectangle

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



46.4886, 53.9435, 7.9619



29.3529, 53.9435, 24.6717



56.3721, 53.9435, 192.8513



82.0451, 53.9435, 115.0159

Sweetspot

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



46.4898, 53.9461, 7.9630



83.8158, 93.4736, 56.0078



26.3735, 13.5873, 1.6464



17.6793, 19.8425, 10.8013



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.



46.4898, 53.9461, 7.9630



72.8689, 84.5177, 12.4730



30.3319, 49.4832, 7.9532



12.7479, 13.6866, 12.5819



28.6874, 33.3079, 4.9171



1.6207, 1.8957, 0.2805

Inverse Universe

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



11.6287, 4.8433, 60.6431



18.1993, 7.5186, 95.0998



15.7818, 6.8067, 60.8032



11.2129, 11.5160, 14.8755



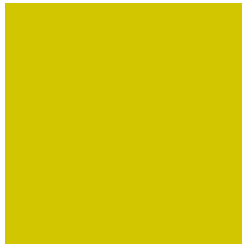
7.1920, 3.0305, 37.3984



0.4201, 0.2053, 2.0971

Previews

White Background



This preview shows how the XYZ color 46.4886, 53.9435, 7.9619 looks on a white background.

Color Contrast Check

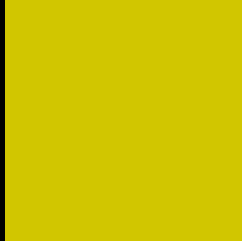
Large Text (above 18pt) WCAG AA × Fail

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 46.4886, 53.9435, 7.9619 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 46.4886, 53.9435, 7.9619

Background



This preview shows how black text looks on a background with the XYZ color 46.4886, 53.9435, 7.9619.

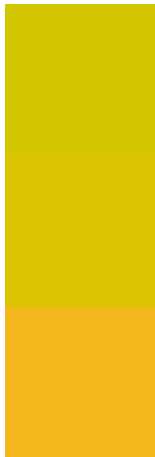


This preview shows how white text looks on a background with the XYZ color 46.4886, 53.9435,

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

46.4886, 53.9435, 7.9619

Protanopia

48.7285, 54.0903, 7.8722

Deuteranopia

55.0063, 53.7773, 8.5795



Tritanopia

57.1523, 53.7303, 60.7848

Trichromacy



Original Color

46.4886, 53.9435, 7.9619

Protanomaly

47.7643, 53.9269, 7.8915

Deuteranomaly

51.5855, 53.5947, 8.1982

Tritanomaly

50.5788, 52.6533, 27.2360

Monochromacy



Original Color

46.4886, 53.9435, 7.9619

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.8314, 47.2799, 22.8408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4886, 53.9435, 7.9619 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(209, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 198, 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(209, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 198, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.4886, 53.9435, 7.9619 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(209, 198, 0) }
```


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

```
.border{ border-color:rgb(209, 198, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 198, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 198,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4886, 53.9435, 7.9619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 198, 0) }
```

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

```
.background{ background-color: rgb(209,  
198, 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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