

Converting Colors

XYZ(30.0263, 48.9642, 7.8684)

Have a look what the booklet for
XYZ(30.0263, 48.9642, 7.8684)
contains.

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Color

**XYZ(30.0271, 48.9633,
7.8683)**

Conversions

Conversions Part 1

Format	Color
Hex	76D000
RGB	118, 208, 0
RGB Percent	46%, 82%, 0%
CMY	0.5373, 0.1843, 0.9999
CMYK	0.43, 0.00, 1.00, 0.18
HSL	86°, 100%, 41%
HSV	86°, 100%, 82%
XYZ	30.0271, 48.9633, 7.8683
YIQ	157.3780, 13.1280, -83.7680

Conversions

Conversions Part 2

Format	Color
RYB	0, 208, 90
Decimal	7786496
CIELab	75.43, -53.55, 74.33
CIELCh	75, 91.613, 125.772
Yxy	48.9633, 0.3457, 0.5637
Android (android.graphics.Color)	4285976576 (0xFF76D000)
YUV	157.3780, -77.5874, -34.5345
Hunter-Lab	69.9738, -45.8563, 42.3147

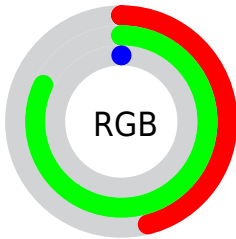
Details

The XYZ color **30.0271, 48.9633, 7.8683** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **15.6054, 6.7300, 60.1538**, and the grayscale version is **32.5558, 34.2512, 37.2996**.

A 20% lighter version of the original color is **55.4528, 81.4916, 20.9904**, and **12.9668, 23.5947, 3.8708** is the 20% darker color. If you saturate the color by 10%, you get **30.0266, 48.9646, 7.8685**, and if you desaturate by 10%, it is **31.4433, 49.6795, 8.6329**.

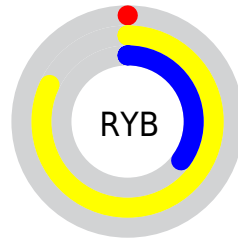
Distribution



Red (46%)

Green (82%)

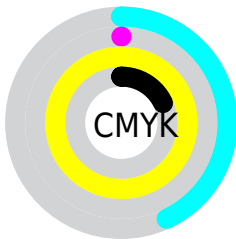
Blue (0%)



Red (0%)

Yellow (82%)

Blue (35%)

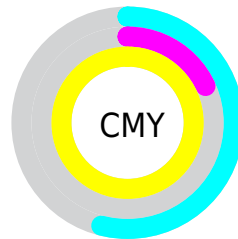


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (54%)


Magenta (18%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0271, 48.9633, 7.8683 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 30.0271, 48.9633, 7.8683 by changing the saturation by 10% instead.

 30.0271, 48.9633,
7.8683


 30.0271, 48.9633,
7.8683


293.9383,
382.5978, 184.5912


 20.0073, 34.5904,
3.9242


 59.0914, 88.6369,
22.2417

 12.5087, 23.3475,
1.5839


 78.8666, 114.7064,
33.5082

 7.1658, 14.8503,
0.2793


 102.6243,
145.4436, 48.0525

 3.6132, 8.7144,
0.0000

 130.7299,
181.2328, 66.2933

 1.4857, 4.5554,
0.0000

 163.5488,
222.4584, 88.6490

 0.3161, 1.9888,
0.0000

 201.4462,

 0.0000, 0.6010,

269.5049, 115.5382

0.0000

244.7876,
322.7565, 147.3794

■ 0.0000, 0.0000,
0.0000

■ 30.0271, 48.9633,
7.8683

■ 30.0271, 48.9633,
7.8683

■ 30.0266, 48.9646,
7.8685

■ 31.4433, 49.6795,
8.6329

■ 33.1220, 50.5128,
10.1599

■ 35.1160, 51.4865,
12.7062

■ 37.4546, 52.6125,
16.4110

■ 40.1629, 53.9012,
21.3914

■ 43.2629, 55.3618,
27.7504

■ 46.7750, 57.0027,
35.5804

■ 50.7176, 58.8315,
44.9658

■ 55.1081, 60.8556,
55.9846

Harmonies

Analogous

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



43.3498, 48.9633, 4.0001



30.0271, 48.9633, 7.8683



22.7719, 48.9633, 23.5422

Triad

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



30.0271, 48.9633, 7.8683



34.4494, 48.9633, 190.9367



86.8741, 48.9633, 44.5005

Complementary

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



30.0271, 48.9633, 7.8683



15.6054, 6.7300, 60.1538

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.



82.8532, 48.9633, 101.2779



30.0271, 48.9633, 7.8683



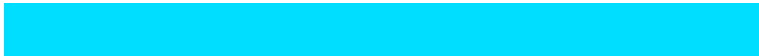
49.8791, 48.9633, 209.5743

Square

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



30.0271, 48.9633, 7.8683



24.8595, 48.9633, 128.1983



68.2056, 48.9633, 169.8799



78.1504, 48.9633, 15.3460

Rectangle

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



30.0271, 48.9633, 7.8683



21.0946, 48.9633, 46.7491



68.2056, 48.9633, 169.8799



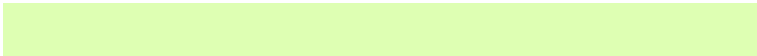
86.9897, 48.9633, 60.4637

Sweetspot

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



30.0282, 48.9654, 7.8694



73.9379, 90.2673, 55.9096



29.3964, 20.1758, 2.3457



15.3021, 19.0767, 10.7787



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.



30.0282, 48.9654, 7.8694



47.3748, 77.5077, 12.4636



22.7947, 45.2364, 7.5308



12.2889, 13.5324, 12.5764



18.8260, 30.5741, 4.9092



1.1427, 1.7559, 0.2787

Inverse Universe

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



15.6054, 6.7300, 60.1538



24.5245, 10.5577, 95.3530



32.7896, 15.5888, 60.9580



11.6420, 11.6643, 14.8815



9.8309, 4.2483, 37.4944



0.6398, 0.2840, 2.1007

Previews

White Background



This preview shows how the XYZ color 30.0271, 48.9633, 7.8683 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 30.0271, 48.9633, 7.8683 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 30.0271, 48.9633, 7.8683

Background



This preview shows how black text looks on a background with the XYZ color 30.0271, 48.9633, 7.8683.



This preview shows how white text looks on a background with the XYZ color 30.0271, 48.9633,

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

30.0271, 48.9633, 7.8683

Protanopia

43.3614, 48.1078, 7.0003

Deuteranopia

49.3522, 48.1507, 8.8834



Tritanopia

41.9063, 48.5830, 67.4904

Trichromacy



Original Color

30.0271, 48.9633, 7.8683

Protanomaly

36.7492, 47.2539, 7.1840

Deuteranomaly

39.4540, 46.6961, 7.9707

Tritanomaly

34.2592, 47.1500, 29.4855

Monochromacy



Original Color

30.0271, 48.9633, 7.8683

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

29.1533, 37.8104, 17.8182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0271, 48.9633, 7.8683 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(118, 208, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 208, 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(118, 208, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 208, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.0271, 48.9633, 7.8683 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(118, 208, 0) }
```


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

```
.border{ border-color:rgb(118, 208, 0) }
```

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

Here you see how a box with a 4 pixel rgb(118, 208, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 208, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 208, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 208,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0271, 48.9633, 7.8683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 208, 0) }
```

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

```
.background{ background-color: rgb(118,  
208, 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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