

Converting Colors

XYZ(29.8886, 47.4624, 7.5859)

Have a look what the booklet for
XYZ(29.8886, 47.4624, 7.5859)
contains.

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Color

**XYZ(29.9050, 47.4708,
7.5866)**

Conversions

Conversions Part 1

Format	Color
Hex	7CCC00
RGB	124, 204, 0
RGB Percent	49%, 80%, 0%
CMY	0.5137, 0.2000, 0.9999
CMYK	0.39, 0.00, 1.00, 0.20
HSL	84°, 100%, 40%
HSV	84°, 100%, 80%
XYZ	29.9050, 47.4708, 7.5866
YIQ	156.8240, 17.8040, -80.4040

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 80
Decimal	8178688
CIELab	74.49, -49.97, 73.72
CIELCh	74, 89.059, 124.131
Yxy	47.4708, 0.3520, 0.5587
Android (android.graphics.Color)	4286368768 (0xFF7CCC00)
YUV	156.8240, -77.3142, -28.7866
Hunter-Lab	68.8991, -43.0971, 41.7008

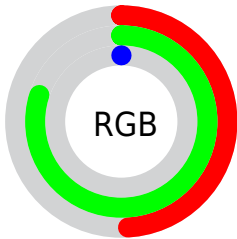
Details

The XYZ color **29.9050, 47.4708, 7.5866** 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 **14.2105, 6.0670, 57.5515**, and the grayscale version is **32.3020, 33.9842, 37.0088**.

A 20% lighter version of the original color is **56.8498, 82.2118, 21.0558**, and **12.8618, 22.5849, 3.6814** is the 20% darker color. If you saturate the color by 10%, you get **29.9047, 47.4721, 7.5869**, and if you desaturate by 10%, it is **31.2398, 48.1454, 8.3283**.

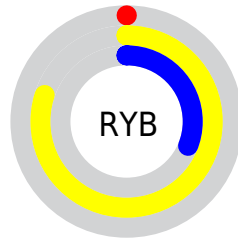
Distribution



Red (49%)

Green (80%)

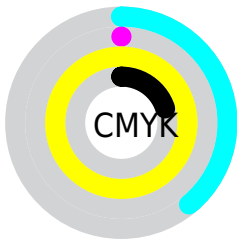
Blue (0%)



Red (0%)

Yellow (80%)

Blue (31%)

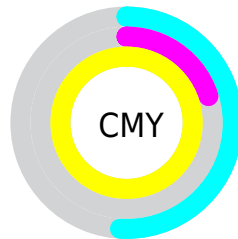


Cyan (39%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (51%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9050, 47.4708, 7.5866 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 29.9050, 47.4708, 7.5866 by changing the saturation by 10% instead.

■ 29.9050, 47.4708,
7.5866

■ 29.9050, 47.4708,
7.5866

293.3792,
376.6907, 182.2644

■ 19.9142, 33.4080,
3.7476

■ 58.8996, 86.4160,
21.6766

■ 12.4406, 22.4392,
1.4879

■ 78.6341, 112.0671,
32.7646

■ 7.1188, 14.1800,
0.2089

■ 102.3471,
142.3498, 47.1062

■ 3.5835, 8.2459,
0.0000

■ 130.4042,
177.6485, 65.1197

■ 1.4693, 4.2527,
0.0000

■ 163.1706,
218.3475, 87.2237

■ 0.3048, 1.8159,
0.0000

■ 201.0116,

■ 0.0000, 0.4971,

264.8313, 113.8368

0.0000

244.2927,
317.4842, 145.3775

■ 0.0000, 0.0000,
0.0000

■ 29.9050, 47.4708,
7.5866

■ 29.9050, 47.4708,
7.5866

■ 29.9047, 47.4721,
7.5869

■ 31.2398, 48.1454,
8.3283

■ 32.8066, 48.9223,
9.7956

■ 34.6556, 49.8234,
12.2370

■ 36.8139, 50.8597,
15.7846

■ 39.3046, 52.0408,
20.5503

■ 42.1481, 53.3750,
26.6319

■ 45.3632, 54.8701,
34.1177

■ 48.9667, 56.5330,
43.0880

■ 52.9746, 58.3702,
53.6172

Harmonies

Analogous

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



42.9294, 47.4708, 4.1284



29.9050, 47.4708, 7.5866



22.6322, 47.4708, 21.8881

Triad

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



29.9050, 47.4708, 7.5866



32.9336, 47.4708, 179.2433



83.4989, 47.4708, 45.5695

Complementary

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



29.9050, 47.4708, 7.5866



14.2105, 6.0670, 57.5515

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.



79.0339, 47.4708, 100.7240



29.9050, 47.4708, 7.5866



47.3830, 47.4708, 199.7743

Square

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



29.9050, 47.4708, 7.5866



24.0672, 47.4708, 118.9570



64.7775, 47.4708, 165.0270



75.8423, 47.4708, 16.2318

Rectangle

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



29.9050, 47.4708, 7.5866



20.8295, 47.4708, 43.1552



64.7775, 47.4708, 165.0270



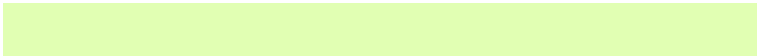
83.3759, 47.4708, 61.2766

Sweetspot

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



29.9061, 47.4729, 7.5876



74.8961, 90.7613, 55.9544



27.6429, 18.3175, 2.0794



15.5299, 19.1942, 10.7894



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.



29.9061, 47.4729, 7.5876



49.2746, 78.4870, 12.5525



21.9665, 43.3798, 7.2161



11.7113, 12.8686, 11.9461



18.9286, 29.9333, 4.7801



1.0602, 1.5874, 0.2505

Inverse Universe

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



14.2105, 6.0670, 57.5515



23.3073, 9.9302, 95.2960



29.7704, 14.0884, 58.2797



11.0110, 11.0550, 14.1239



9.0407, 3.8682, 36.2264



0.5509, 0.2431, 1.8728

Previews

White Background



This preview shows how the XYZ color 29.9050, 47.4708, 7.5866 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 29.9050, 47.4708, 7.5866 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 29.9050, 47.4708, 7.5866

Background



This preview shows how black text looks on a background with the XYZ color 29.9050, 47.4708, 7.5866.



This preview shows how white text looks on a background with the XYZ color 29.9050, 47.4708,

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

29.9050, 47.4708, 7.5866

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

47.9597, 46.8633, 8.5253



Tritanopia

41.4655, 47.4377, 64.7285

Trichromacy



Original Color

29.9050, 47.4708, 7.5866

Protanomaly

36.5353, 46.4917, 7.0482

Deuteranomaly

38.8018, 45.4275, 7.6430

Tritanomaly

34.1918, 46.1309, 28.2211

Monochromacy



Original Color

29.9050, 47.4708, 7.5866

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

29.1134, 37.2119, 17.7048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9050, 47.4708, 7.5866 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(124, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 204, 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(124, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.9050, 47.4708, 7.5866 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(124, 204, 0) }
```


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

```
.border{ border-color:rgb(124, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(124, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9050, 47.4708, 7.5866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 204, 0) }
```

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

```
.background{ background-color: rgb(124,  
204, 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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