

Converting Colors

XYZ(30.4848, 47.7697, 7.6138)

Have a look what the booklet for
XYZ(30.4848, 47.7697, 7.6138)
contains.

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Color

**XYZ(30.4950, 47.7749,
7.6142)**

Conversions

Conversions Part 1

Format	Color
Hex	80CC00
RGB	128, 204, 0
RGB Percent	50%, 80%, 0%
CMY	0.4980, 0.2000, 0.9999
CMYK	0.37, 0.00, 1.00, 0.20
HSL	82°, 100%, 40%
HSV	82°, 100%, 80%
XYZ	30.4950, 47.7749, 7.6142
YIQ	158.0200, 20.1880, -79.5560

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 76
Decimal	8440832
CIELab	74.68, -48.58, 73.95
CIELCh	75, 88.480, 123.301
Yxy	47.7749, 0.3551, 0.5563
Android (android.graphics.Color)	4286630912 (0xFF80CC00)
YUV	158.0200, -77.9039, -26.3275
Hunter-Lab	69.1194, -42.2060, 41.8522

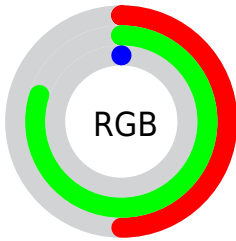
Details

The XYZ color **30.4950, 47.7749, 7.6142** 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 **13.8825, 5.8980, 57.5361**, and the grayscale version is **32.8469, 34.5575, 37.6331**.

A 20% lighter version of the original color is **57.8149, 82.7093, 21.1009**, and **13.1313, 22.7238, 3.6940** is the 20% darker color. If you saturate the color by 10%, you get **30.4947, 47.7763, 7.6145**, and if you desaturate by 10%, it is **31.8127, 48.4407, 8.3551**.

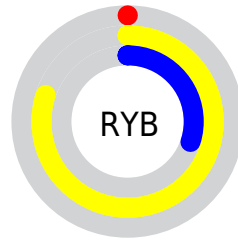
Distribution



Red (50%)

Green (80%)

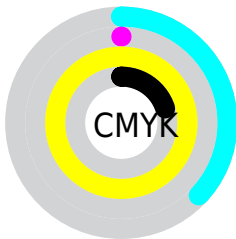
Blue (0%)



Red (0%)

Yellow (80%)

Blue (30%)

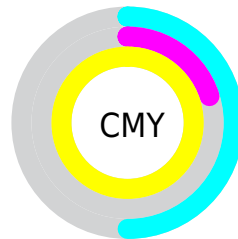


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (50%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4950, 47.7749, 7.6142 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 30.4950, 47.7749, 7.6142 by changing the saturation by 10% instead.

■ 30.4950, 47.7749,
7.6142

■ 30.4950, 47.7749,
7.6142

296.0736,
377.8992, 182.4940

■ 20.3645, 33.6487,
3.7649

■ 59.8254, 86.8692,
21.7321

■ 12.7701, 22.6238,
1.4973

■ 79.7560, 112.6060,
32.8378

■ 7.3463, 14.3160,
0.2159

■ 103.6841,
142.9818, 47.1993

■ 3.7279, 8.3408,
0.0000

■ 131.9750,
178.3809, 65.2353

■ 1.5494, 4.3138,
0.0000

■ 164.9940,
219.1878, 87.3642

■ 0.3591, 1.8506,
0.0000

■ 203.1066,

■ 0.0000, 0.5184,

265.7869, 114.0046

0.0000

246.6780,
318.5626, 145.5750

■ 0.0000, 0.0000,
0.0000

■ 30.4950, 47.7749,
7.6142

■ 30.4950, 47.7749,
7.6142

■ 30.4947, 47.7763,
7.6145

■ 31.8127, 48.4407,
8.3551

■ 33.3538, 49.2043,
9.8212

■ 35.1684, 50.0876,
12.2609

■ 37.2830, 51.1015,
15.8065

■ 39.7206, 52.2552,
20.5697

■ 42.5014, 53.5571,
26.6484

■ 45.6437, 55.0147,
34.1308

■ 49.1643, 56.6348,
43.0972

■ 53.0787, 58.4238,
53.6220

Harmonies

Analogous

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



43.6559, 47.7749, 4.2826



30.4950, 47.7749, 7.6142



23.0553, 47.7749, 21.5732

Triad

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



30.4950, 47.7749, 7.6142



32.9150, 47.7749, 177.5282



83.6755, 47.7749, 47.0970

Complementary

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



30.4950, 47.7749, 7.6142



13.8825, 5.8980, 57.5361

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.



78.9044, 47.7749, 102.6424



30.4950, 47.7749, 7.6142



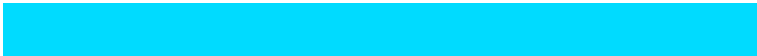
47.2076, 47.7749, 199.3795

Square

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



30.4950, 47.7749, 7.6142



24.2040, 47.7749, 117.1329



64.5306, 47.7749, 166.2480



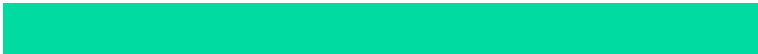
76.3655, 47.7749, 17.0360

Rectangle

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



30.4950, 47.7749, 7.6142



21.1518, 47.7749, 42.3821



64.5306, 47.7749, 166.2480



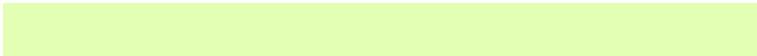
83.4362, 47.7749, 63.0155

Sweetspot

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



30.4961, 47.7770, 7.6152



75.3659, 91.0035, 55.9764



27.4068, 17.8453, 2.0006



15.6419, 19.2519, 10.7946



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.



30.4961, 47.7770, 7.6152



50.2544, 78.9921, 12.5983



22.0518, 43.4238, 7.2201



11.7330, 12.8797, 11.9471



19.2987, 30.1241, 4.7974



1.0778, 1.5964, 0.2513

Inverse Universe

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



13.8825, 5.8980, 57.5361



22.7708, 9.6536, 95.2709



28.9873, 13.6848, 58.2430



10.9901, 11.0442, 14.1229



8.8315, 3.7604, 36.2166



0.5389, 0.2370, 1.8723

Previews

White Background



This preview shows how the XYZ color 30.4950, 47.7749, 7.6142 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 30.4950, 47.7749, 7.6142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

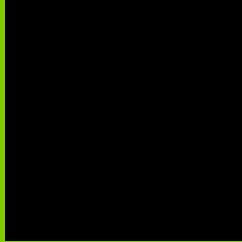
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4950, 47.7749, 7.6142

Background



This preview shows how black text looks on a background with the XYZ color 30.4950, 47.7749, 7.6142.



This preview shows how white text looks on a background with the XYZ color 30.4950, 47.7749,

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

30.4950, 47.7749, 7.6142

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

47.9597, 46.8633, 8.5253



Tritanopia

42.0106, 47.7187, 64.7540

Trichromacy



Original Color

30.4950, 47.7749, 7.6142

Protanomaly

36.9909, 46.7266, 7.0695

Deuteranomaly

39.3083, 45.6886, 7.6667

Tritanomaly

34.6997, 46.3927, 28.2449

Monochromacy



Original Color

30.4950, 47.7749, 7.6142

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

29.7116, 37.8026, 18.0426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4950, 47.7749, 7.6142 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(128, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.4950, 47.7749, 7.6142 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(128, 204, 0) }
```


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

```
.border{ border-color:rgb(128, 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(128, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4950, 47.7749, 7.6142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 204, 0) }
```

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

```
.background{ background-color: rgb(128,  
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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