

Converting Colors

XYZ(29.9803, 47.5096, 7.5901)

Have a look what the booklet for
XYZ(29.9803, 47.5096, 7.5901)
contains.

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Color

**XYZ(30.0503, 47.5457,
7.5934)**

Conversions

Conversions Part 1

Format	Color
Hex	7DCC00
RGB	125, 204, 0
RGB Percent	49%, 80%, 0%
CMY	0.5098, 0.2000, 0.9999
CMYK	0.39, 0.00, 1.00, 0.20
HSL	83°, 100%, 40%
HSV	83°, 100%, 80%
XYZ	30.0503, 47.5457, 7.5934
YIQ	157.1230, 18.4000, -80.1920

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 79
Decimal	8244224
CIELab	74.54, -49.63, 73.78
CIElCh	75, 88.913, 123.927
Yxy	47.5457, 0.3527, 0.5581
Android (android.graphics.Color)	4286434304 (0xFF7DCC00)
YUV	157.1230, -77.4616, -28.1719
Hunter-Lab	68.9534, -42.8771, 41.7381

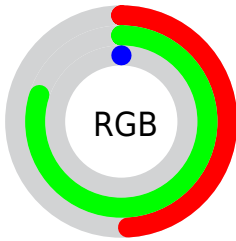
Details

The XYZ color **30.0503, 47.5457, 7.5934** 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 **14.1266, 6.0238, 57.5476**, and the grayscale version is **32.4378, 34.1271, 37.1644**.

A 20% lighter version of the original color is **57.0885, 82.3349, 21.0670**, and **12.9274, 22.6187, 3.6845** is the 20% darker color. If you saturate the color by 10%, you get **30.0500, 47.5470, 7.5937**, and if you desaturate by 10%, it is **31.3812, 48.2183, 8.3349**.

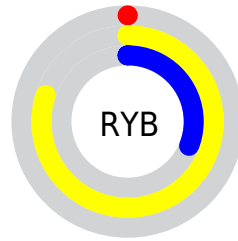
Distribution



Red (49%)

Green (80%)

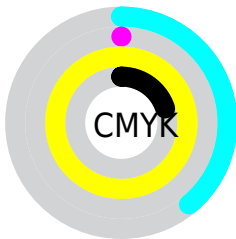
Blue (0%)



Red (0%)

Yellow (80%)

Blue (31%)

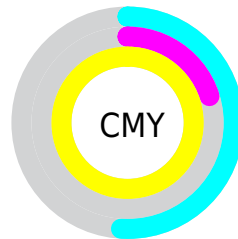


Cyan (39%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (51%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0503, 47.5457, 7.5934 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 30.0503, 47.5457, 7.5934 by changing the saturation by 10% instead.

■ 30.0503, 47.5457,
7.5934

■ 30.0503, 47.5457,
7.5934

294.0445,
376.9886, 182.3210

■ 20.0250, 33.4673,
3.7519

■ 59.1278, 86.5276,
21.6903

■ 12.5216, 22.4846,
1.4902

■ 78.9107, 112.1999,
32.7827

■ 7.1747, 14.2134,
0.2106

■ 102.6769,
142.5055, 47.1291

■ 3.6189, 8.2693,
0.0000

■ 130.7918,
177.8290, 65.1482

■ 1.4889, 4.2677,
0.0000

■ 163.6206,
218.5546, 87.2583

■ 0.3182, 1.8244,
0.0000

■ 201.5287,

■ 0.0000, 0.5023,

265.0668, 113.8782

0.0000

244.8816,
317.7500, 145.4262

■ 0.0000, 0.0000,
0.0000

■ 30.0503, 47.5457,
7.5934

■ 30.0503, 47.5457,
7.5934

■ 30.0500, 47.5470,
7.5937

■ 31.3812, 48.2183,
8.3349

■ 32.9420, 48.9921,
9.8019

■ 34.7827, 49.8889,
12.2429

■ 36.9303, 50.9197,
15.7901

■ 39.4080, 52.0941,
20.5551

■ 42.2361, 53.4204,
26.6361

■ 45.4331, 54.9061,
34.1210

■ 49.0160, 56.5584,
43.0903

■ 53.0006, 58.3836,
53.6184

Harmonies

Analogous

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



43.1084, 47.5457, 4.1663



30.0503, 47.5457, 7.5934



22.7365, 47.5457, 21.8096

Triad

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



30.0503, 47.5457, 7.5934



32.9287, 47.5457, 178.8158



83.5420, 47.5457, 45.9446

Complementary

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



30.0503, 47.5457, 7.5934



14.1266, 6.0238, 57.5476

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.



79.0012, 47.5457, 101.1964



30.0503, 47.5457, 7.5934



47.3391, 47.5457, 199.6747

Square

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



30.0503, 47.5457, 7.5934



24.1009, 47.5457, 118.5022



64.7158, 47.5457, 165.3277



75.9712, 47.5457, 16.4286

Rectangle

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



30.0503, 47.5457, 7.5934



20.9089, 47.5457, 42.9624



64.7158, 47.5457, 165.3277



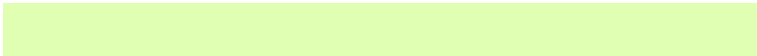
83.3902, 47.5457, 61.7040

Sweetspot

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



30.0514, 47.5478, 7.5944



75.0131, 90.8216, 55.9599



27.6429, 18.3175, 2.0794



15.5578, 19.2086, 10.7907



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.



30.0514, 47.5478, 7.5944



49.5158, 78.6114, 12.5638



21.9665, 43.3798, 7.2161



11.7167, 12.8714, 11.9463



19.0197, 29.9803, 4.7843



1.0645, 1.5896, 0.2507

Inverse Universe

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



14.1266, 6.0238, 57.5476



23.1700, 9.8594, 95.2896



29.7704, 14.0884, 58.2797



11.0058, 11.0523, 14.1236



8.9872, 3.8406, 36.2239



0.5479, 0.2416, 1.8727

Previews

White Background



This preview shows how the XYZ color 30.0503, 47.5457, 7.5934 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 30.0503, 47.5457, 7.5934 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 30.0503, 47.5457, 7.5934

Background



This preview shows how black text looks on a background with the XYZ color 30.0503, 47.5457, 7.5934.



This preview shows how white text looks on a background with the XYZ color 30.0503, 47.5457,

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

30.0503, 47.5457, 7.5934

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

47.9597, 46.8633, 8.5253



Tritanopia

41.4655, 47.4377, 64.7285

Trichromacy



Original Color

30.0503, 47.5457, 7.5934

Protanomaly

36.7623, 46.6087, 7.0588

Deuteranomaly

39.0542, 45.5576, 7.6548

Tritanomaly

34.1918, 46.1309, 28.2211

Monochromacy



Original Color

30.0503, 47.5457, 7.5934

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 30.0503, 47.5457, 7.5934 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(125, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 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(125, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.0503, 47.5457, 7.5934 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(125, 204, 0) }
```


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

```
.border{ border-color:rgb(125, 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(125, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0503, 47.5457, 7.5934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 204, 0) }
```

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

```
.background{ background-color: rgb(125,  
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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