

# Converting Colors

XYZ(29.4995, 47.2617, 7.5676)

Have a look what the booklet for  
XYZ(29.4995, 47.2617, 7.5676)  
contains.

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# Color

**XYZ(29.4780, 47.2507,  
7.5666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79CC00
RGB	121, 204, 0
RGB Percent	47%, 80%, 0%
CMY	0.5255, 0.2000, 0.9999
CMYK	0.41, 0.00, 1.00, 0.20
HSL	84°, 100%, 40%
HSV	84°, 100%, 80%
XYZ	29.4780, 47.2507, 7.5666
YIQ	155.9270, 16.0160, -81.0400

# Conversions

## Conversions Part 2

Format	Color
<b>RYB</b>	0, 204, 83
Decimal	7982080
CIELab	74.35, -50.99, 73.55
CIELCh	74, 89.497, 124.734
Yxy	47.2507, 0.3497, 0.5605
Android (android.graphics.Color)	4286172160 (0xFF79CC00)
YUV	155.9270, -76.8720, -30.6310
Hunter-Lab	68.7391, -43.7458, 41.5909

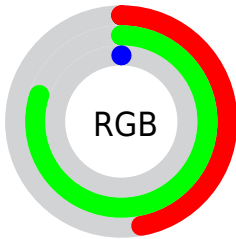
# Details

The XYZ color **29.4780, 47.2507, 7.5666** 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 **14.4696, 6.2006, 57.5637**, and the grayscale version is **31.8969, 33.5580, 36.5447**.

A 20% lighter version of the original color is **56.1437, 81.8478, 21.0227**, and **12.6109, 22.4556, 3.6697** is the 20% darker color. If you saturate the color by 10%, you get **29.4777, 47.2521, 7.5669**, and if you desaturate by 10%, it is **30.8230, 47.9305, 8.3087**.

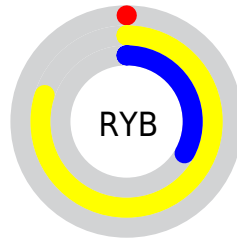
# Distribution



Red (47%)

Green (80%)

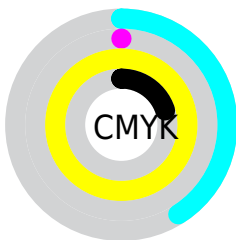
Blue (0%)



Red (0%)

Yellow (80%)

Blue (33%)

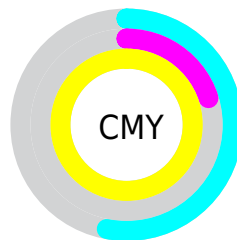


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (53%)

Magenta (20%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4780, 47.2507, 7.5666 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 29.4780, 47.2507, 7.5666 by changing the saturation by 10% instead.



■ 29.4780, 47.2507,  
7.5666

■ 29.4780, 47.2507,  
7.5666

291.4173,  
375.8143, 182.0978

■ 19.5888, 33.2339,  
3.7351

■ 58.2280, 86.0877,  
21.6363

■ 12.2030, 22.3057,  
1.4812

■ 77.8195, 111.6767,  
32.7116

■ 6.9553, 14.0817,  
0.2039

■ 101.3759,  
141.8919, 47.0386

■ 3.4802, 8.1775,  
0.0000

■ 129.2624,  
177.1176, 65.0358

■ 1.4125, 4.2087,  
0.0000

■ 161.8444,  
217.7384, 87.1218

■ 0.2651, 1.7910,  
0.0000

■ 199.4874,

■ 0.0000, 0.4816,

264.1385, 113.7151

0.0000

242.5566,  
316.7023, 145.2342

■ 0.0000, 0.0000,  
0.0000

■ 29.4780, 47.2507,  
7.5666

■ 29.4780, 47.2507,  
7.5666

■ 29.4777, 47.2521,  
7.5669

■ 30.8230, 47.9305,  
8.3087

■ 32.4066, 48.7161,  
9.7768

■ 34.2792, 49.6293,  
12.2192

■ 36.4681, 50.6815,  
15.7683

■ 38.9968, 51.8821,  
20.5357

■ 41.8859, 53.2399,  
26.6194

■ 45.1543, 54.7624,  
34.1076

■ 48.8192, 56.4569,  
43.0807

■ 52.8966, 58.3300,  
53.6131

# Harmonies

## Analogous

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



42.4032, 47.2507, 4.0177



29.4780, 47.2507, 7.5666



22.3259, 47.2507, 22.1222

# Triad

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



29.4780, 47.2507, 7.5666



32.9488, 47.2507, 180.5204



83.3740, 47.2507, 44.4712

# Complementary

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



29.4780, 47.2507, 7.5666



14.4696, 6.2006, 57.5637

# 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.



79.1334, 47.2507, 99.3361



29.4780, 47.2507, 7.5666



47.5145, 47.2507, 200.0763

# Square

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



29.4780, 47.2507, 7.5666



23.9681, 47.2507, 120.3154



64.9627, 47.2507, 164.1437



75.4638, 47.2507, 15.6582



# Rectangle

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



29.4780, 47.2507, 7.5666



20.5958, 47.2507, 43.7310



64.9627, 47.2507, 164.1437



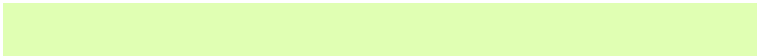
83.3362, 47.2507, 60.0232

# Sweetspot

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



29.4791, 47.2528, 7.5676



74.5465, 90.5811, 55.9380



27.8915, 18.8147, 2.1622



15.4467, 19.1513, 10.7855



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.



29.4791, 47.2528, 7.5676



48.5661, 78.1218, 12.5193



21.8912, 43.3410, 7.2125



11.6952, 12.8603, 11.9453



18.6605, 29.7952, 4.7675



1.0473, 1.5807, 0.2499



# Inverse Universe

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



14.4696, 6.2006, 57.5637



23.7317, 10.1490, 95.3159



30.5728, 14.5021, 58.3173



11.0268, 11.0631, 14.1246



9.2056, 3.9532, 36.2341



0.5602, 0.2479, 1.8733



# Previews

## White Background



This preview shows how the XYZ color 29.4780, 47.2507, 7.5666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

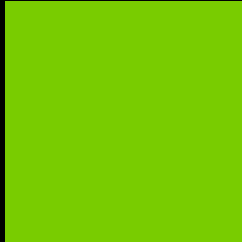
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.4780, 47.2507, 7.5666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

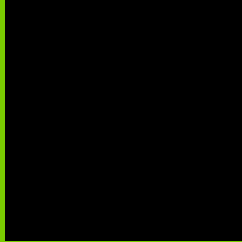
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 29.4780, 47.2507, 7.5666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.4780, 47.2507, 7.5666.



This preview shows how white text looks on a background with the XYZ color 29.4780, 47.2507,



# 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

29.4780, 47.2507, 7.5666

### Protanopia

41.9048, 46.4350, 6.7542

### Deuteranopia

47.6397, 46.6984, 8.5103



## Tritanopia

40.9345, 47.1640, 64.7037

# Trichromacy



## Original Color

29.4780, 47.2507, 7.5666

## Protanomaly

35.8690, 45.8256, 6.9547

## Deuteranomaly

38.5512, 45.2983, 7.6313

## Tritanomaly

33.6977, 45.8762, 28.1980

# Monochromacy



## Original Color

29.4780, 47.2507, 7.5666

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

28.5234, 36.6276, 17.3709

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.4780, 47.2507, 7.5666 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(121, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 204, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 29.4780, 47.2507, 7.5666 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(121, 204, 0) }
```



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

```
.border{ border-color:rgb(121, 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(121, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(121, 204,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.4780, 47.2507, 7.5666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 204, 0) }
```

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

```
.background{ background-color: rgb(121,  
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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