

Converting Colors

XYZ(30.2038, 49.4007, 8.7858)

Have a look what the booklet for
XYZ(30.2038, 49.4007, 8.7858)
contains.

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Color

**XYZ(30.1678, 49.3799,
8.8054)**

Conversions

Conversions Part 1

Format	Color
Hex	74D118
RGB	116, 209, 24
RGB Percent	45%, 82%, 9%
CMY	0.5451, 0.1804, 0.9058
CMYK	0.44, 0.00, 0.89, 0.18
HSL	90°, 79%, 46%
HSV	90°, 89%, 82%
XYZ	30.1678, 49.3799, 8.8054
YIQ	160.1030, 3.9570, -77.2510

Conversions

Conversions Part 2

Format	Color
R_{YB}	24, 209, 117
Decimal	7655704
CIE _{Lab}	75.69, -54.14, 71.59
CIE _{LCh}	76, 89.757, 127.096
Yxy	49.3799, 0.3414, 0.5589
Android (android.graphics.Color)	4285845784 (0xFF74D118)
YUV	160.1030, -67.0988, -38.6783
Hunter-Lab	70.2708, -46.3426, 41.7602

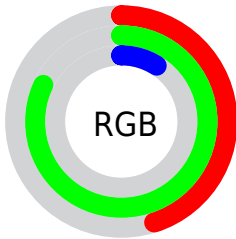
Details

The XYZ color **30.1678, 49.3799, 8.8054** 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 **19.1746, 9.0406, 61.0588**, and the grayscale version is **33.7616, 35.5198, 38.6811**.

A 20% lighter version of the original color is **55.3275, 81.3893, 22.6912**, and **13.0238, 23.8681, 3.9206** is the 20% darker color. If you saturate the color by 10%, you get **28.7022, 48.6430, 7.9657**, and if you desaturate by 10%, it is **31.9527, 50.2661, 10.4921**.

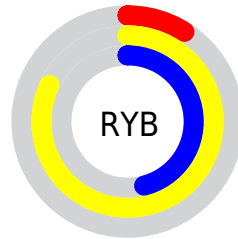
Distribution



Red (45%)

Green (82%)

Blue (9%)



Red (9%)

Yellow (82%)

Blue (46%)

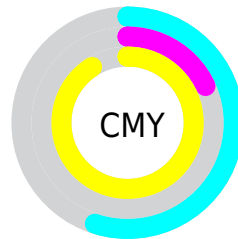


Cyan (44%)

Magenta (0%)

Yellow (89%)

Black (18%)



Cyan (55%)

Magenta (18%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1678, 49.3799, 8.8054 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 30.1678, 49.3799, 8.8054 by changing the saturation by 10% instead.

■ 30.1678, 49.3799,
8.8054

■ 30.1678, 49.3799,
8.8054

294.5816,
384.2360, 192.0838

■ 20.1147, 34.9209,
4.5194

■ 59.3123, 89.2554,
24.0946

■ 12.5872, 23.6020,
1.9144

■ 79.1343, 115.4408,
35.9348

■ 7.2199, 15.0386,
0.5019

■ 102.9434,
146.3037, 51.1303

■ 3.6476, 8.8465,
0.0000

■ 131.1048,
182.2286, 70.0994

■ 1.5048, 4.6412,
0.0000

■ 163.9840,
223.5999, 93.2608

■ 0.3291, 2.0383,
0.0000

■ 201.9463,

■ 0.0000, 0.6296,

270.8020, 121.0329

0.0000

245.3571,
324.2192, 153.8344

■ 0.0000, 0.0000,
0.0000

■ 30.1678, 49.3799,
8.8054

■ 30.1678, 49.3799,
8.8054

■ 28.7022, 48.6430,
7.9657

■ 31.9527, 50.2661,
10.4921

■ 28.5020, 48.5417,
7.8673

■ 34.0984, 51.3138,
13.2329

■ 36.6368, 52.5380,
17.1656

■ 39.5944, 53.9498,
22.4066

■ 42.9951, 55.5592,
29.0582

■ 46.8606, 57.3755,
37.2128

■ 51.2111, 59.4071,
46.9547

■ 56.0652, 61.6620,
58.3622

■ 61.4406, 64.1478,
71.5082

Harmonies

Analogous

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



43.0936, 49.3799, 4.4734



30.1678, 49.3799, 8.8054



23.2099, 49.3799, 25.4191

Triad

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



30.1678, 49.3799, 8.8054



35.5561, 49.3799, 189.9458



86.3568, 49.3799, 43.2279

Complementary

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



30.1678, 49.3799, 8.8054



19.1746, 9.0406, 61.0588

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.



82.9837, 49.3799, 97.8663



30.1678, 49.3799, 8.8054



50.9963, 49.3799, 205.4727

Square

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



30.1678, 49.3799, 8.8054



25.7689, 49.3799, 130.0819



68.9847, 49.3799, 164.8933



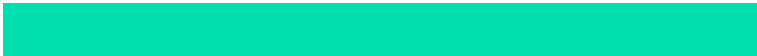
77.3406, 49.3799, 15.2852

Rectangle

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



30.1678, 49.3799, 8.8054



21.6932, 49.3799, 49.2585



68.9847, 49.3799, 164.8933



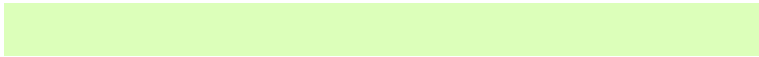
86.6633, 49.3799, 58.5411

Sweetspot

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



30.1689, 49.3820, 8.8065



74.2709, 90.3474, 60.0623



32.7649, 26.2303, 4.2009



15.4241, 19.1165, 11.8296



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.



30.1689, 49.3820, 8.8065



44.4824, 76.0166, 12.3282



23.3435, 45.8634, 8.4871



12.2082, 13.4908, 12.5726



17.6863, 29.9866, 4.8558



1.0804, 1.7238, 0.2758

Inverse Universe

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



19.1746, 9.0406, 61.0588



26.9825, 11.8249, 95.4680



38.1318, 18.8134, 61.9460



11.7219, 11.7055, 14.8852



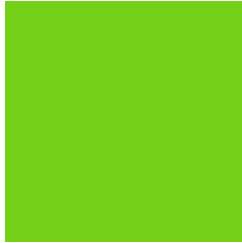
10.8072, 4.7516, 37.5400



0.6958, 0.3129, 2.1033

Previews

White Background



This preview shows how the XYZ color 30.1678, 49.3799, 8.8054 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 30.1678, 49.3799, 8.8054 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 30.1678, 49.3799, 8.8054

Background



This preview shows how black text looks on a background with the XYZ color 30.1678, 49.3799, 8.8054.



This preview shows how white text looks on a background with the XYZ color 30.1678, 49.3799,

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

30.1678, 49.3799, 8.8054

Protanopia

43.9396, 48.7076, 7.5376

Deuteranopia

49.6427, 48.5795, 9.4497



Tritanopia

41.9091, 48.8994, 68.2025

Trichromacy



Original Color

30.1678, 49.3799, 8.8054

Protanomaly

37.0802, 47.7412, 7.8329

Deuteranomaly

39.5846, 47.0601, 8.9166

Tritanomaly

34.8216, 47.7054, 32.9640

Monochromacy



Original Color

30.1678, 49.3799, 8.8054

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

30.2912, 38.9178, 20.9543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1678, 49.3799, 8.8054 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(116, 209, 24)` looks like.

```
.text, #text, p{  
    color:rgb(116, 209, 24)  
}
```

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(116, 209, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 209, 24) }
```

Border

The CSS property to change the border of an element to XYZ 30.1678, 49.3799, 8.8054 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(116, 209, 24) }
```


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

```
.border{ border-color:rgb(116, 209, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 209, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 209, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 209, 24);  
box-shadow:4px 4px 4px 4px rgb(116, 209,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1678, 49.3799, 8.8054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 209, 24) }
```

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

```
.background{ background-color: rgb(116,  
209, 24) }
```

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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