

Converting Colors

XYZ(30.4486, 46.1913, 20.4889)

Have a look what the booklet for
XYZ(30.4486, 46.1913, 20.4889)
contains.

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Color

**XYZ(30.3554, 46.0210,
20.3798)**

Conversions

Conversions Part 1

Format	Color
Hex	74C868
RGB	116, 200, 104
RGB Percent	45%, 78%, 41%
CMY	0.5451, 0.2157, 0.5921
CMYK	0.42, 0.00, 0.48, 0.22
HSL	113°, 47%, 60%
HSV	113°, 48%, 78%
XYZ	30.3554, 46.0210, 20.3798
YIQ	163.9400, -19.2480, -47.6640

Conversions

Conversions Part 2

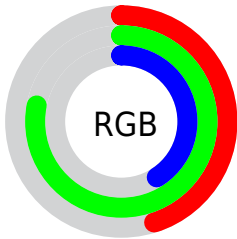
Format	Color
RYB	104, 200, 188
Decimal	7653480
CIELab	73.56, -44.26, 40.01
CIElCh	74, 59.662, 137.888
Yxy	46.0210, 0.3137, 0.4756
Android (android.graphics.Color)	4285843560 (0xFF74C868)
YUV	163.9400, -29.5504, -42.0434
Hunter-Lab	67.8388, -38.8456, 29.6755

Details

The XYZ color **30.3554, 46.0210, 20.3798** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **36.1170, 24.7637, 57.5223**, and the grayscale version is **35.4017, 37.2454, 40.5602**.

A 20% lighter version of the original color is **58.8591, 82.7250, 44.7636**, and **12.6547, 21.4778, 6.9687** is the 20% darker color. If you saturate the color by 10%, you get **27.3466, 44.5751, 15.5505**, and if you desaturate by 10%, it is **34.0457, 47.7931, 26.5005**.

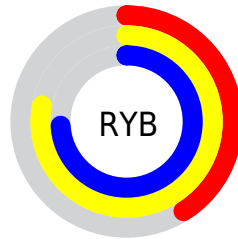
Distribution



Red (45%)

Green (78%)

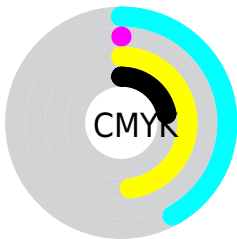
Blue (41%)



Red (41%)

Yellow (78%)

Blue (74%)

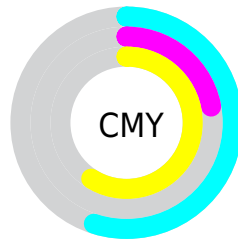


Cyan (42%)

Magenta (0%)

Yellow (48%)

Black (22%)



Cyan (55%)

Magenta (22%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3554, 46.0210, 20.3798 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 30.3554, 46.0210, 20.3798 by changing the saturation by 10% instead.

■ 30.3554, 46.0210,
20.3798

■ 30.3554, 46.0210,
20.3798

295.4377,
370.8931, 266.6358

■ 20.2579, 32.2624,
12.4846

■ 59.6065, 84.2504,
44.9203

■ 12.6920, 21.5620,
6.9481

■ 79.4909, 109.4900,
62.4028

■ 7.2923, 13.5354,
3.3517

■ 103.3683,
139.3254, 83.9180

■ 3.6935, 7.7983,
1.2769

■ 131.6040,
174.1410, 109.8847

■ 1.5303, 3.9661,
0.0427

164.5635,
214.3212, 140.7212

■ 0.3463, 1.6546,
0.0000

202.6120,

■ 0.0000, 0.3940,

260.2503, 176.8462

0.0000

246.1150,
312.3128, 218.6782

■ 0.0000, 0.0000,
0.0000

■ 30.3554, 46.0210,
20.3798

■ 30.3554, 46.0210,
20.3798

■ 27.3466, 44.5751,
15.5505

■ 34.0457, 47.7931,
26.5005

■ 24.9739, 43.4298,
11.9173

■ 38.4524, 49.9036,
33.9927

■ 23.1917, 42.5655,
9.3767


■ 43.6122, 52.3710,
42.9339


■ 21.9466, 41.9571,
7.8060


■ 49.5580, 55.2109,
53.3946


■ 21.1697, 41.5731,
7.0235

■ 56.3212, 58.4378,
65.4409

 21.0560, 41.5170,
6.9038

 63.9310, 62.0655,
79.1350

 72.4154, 66.1073,
94.5357

 79.9452, 69.7904,
103.8651

Harmonies

Analogous

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



37.8031, 46.0210, 12.6673



30.3554, 46.0210, 20.3798



26.7576, 46.0210, 38.8834

Triad

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



30.3554, 46.0210, 20.3798



39.6228, 46.0210, 131.0551



66.0200, 46.0210, 34.3017

Complementary

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



30.3554, 46.0210, 20.3798



36.1170, 24.7637, 57.5223

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.



66.7185, 46.0210, 63.3106



30.3554, 46.0210, 20.3798



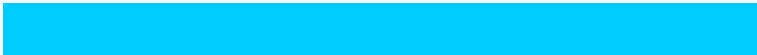
50.2715, 46.0210, 128.2002

Square

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



30.3554, 46.0210, 20.3798



31.5024, 46.0210, 106.7279



60.5777, 46.0210, 100.0216



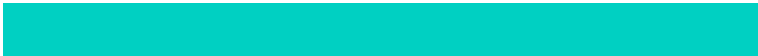
58.7997, 46.0210, 18.1911

Rectangle

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



30.3554, 46.0210, 20.3798



26.5710, 46.0210, 58.5107



60.5777, 46.0210, 100.0216



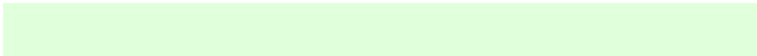
67.0630, 46.0210, 42.5528

Sweetspot

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



30.3565, 46.0229, 20.3808



79.2523, 92.4595, 80.8945



44.1329, 48.9066, 20.2113



16.4960, 19.5669, 16.4954



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.



30.3565, 46.0229, 20.3808



46.9620, 76.9877, 26.3225



31.0395, 46.1236, 31.7708



10.6186, 11.9503, 11.3097



13.4293, 26.4184, 4.3915



0.6777, 1.2725, 0.2099

Inverse Universe

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



36.1170, 24.7637, 57.5223



58.0820, 35.6777, 98.4330



35.5447, 24.8906, 38.4346



10.9476, 10.7468, 13.4148



17.9227, 8.4737, 35.4353



0.8862, 0.4206, 1.6796

Previews

White Background



This preview shows how the XYZ color 30.3554, 46.0210, 20.3798 looks on a white background.

Color Contrast Check

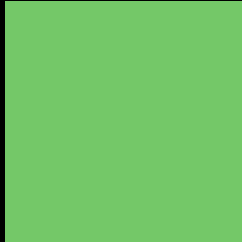
Large Text (above 18pt) WCAG AA × Fail

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 30.3554, 46.0210, 20.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

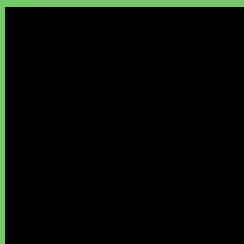
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3554, 46.0210, 20.3798

Background



This preview shows how black text looks on a background with the XYZ color 30.3554, 46.0210, 20.3798.



This preview shows how white text looks on a background with the XYZ color 30.3554, 46.0210,

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

30.3554, 46.0210, 20.3798

Protanopia

41.7676, 45.5114, 17.8924

Deuteranopia

46.2370, 45.4045, 21.3659



Tritanopia

39.0884, 45.9057, 63.9273

Trichromacy



Original Color

30.3554, 46.0210, 20.3798



Protanomaly

36.2190, 44.7856, 18.7921



Deuteranomaly

38.2571, 44.2419, 20.7105



Tritanomaly

35.0399, 45.5563, 43.9922

Monochromacy



Original Color

30.3554, 46.0210, 20.3798



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.6372, 39.6003, 31.5146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3554, 46.0210, 20.3798 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, 200, 104)` looks like.

```
.text, #text, p{  
    color:rgb(116, 200, 104)  
}
```

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, 200, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 200, 104) }
```

Border

The CSS property to change the border of an element to XYZ 30.3554, 46.0210, 20.3798 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, 200, 104) }
```


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

```
.border{ border-color:rgb(116, 200, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 200, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 200, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 200, 104);  
box-shadow:4px 4px 4px 4px rgb(116, 200,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3554, 46.0210, 20.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 200, 104) }
```

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

```
.background{ background-color: rgb(116,  
200, 104) }
```

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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