

Converting Colors

XYZ(30.8755, 53.5310, 11.7379)

Have a look what the booklet for
XYZ(30.8755, 53.5310, 11.7379)
contains.

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Color

**XYZ(30.8370, 53.4347,
11.7063)**

Conversions

Conversions Part 1

Format	Color
Hex	61DB32
RGB	97, 219, 50
RGB Percent	38%, 86%, 20%
CMY	0.6196, 0.1412, 0.8039
CMYK	0.56, 0.00, 0.77, 0.14
HSL	103°, 70%, 53%
HSV	103°, 77%, 86%
XYZ	30.8370, 53.4347, 11.7063
YIQ	163.2560, -18.4630, -78.4230

Conversions

Conversions Part 2

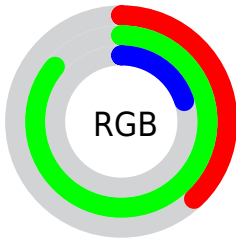
Format	Color
RYB	50, 219, 172
Decimal	6413106
CIELab	78.13, -62.17, 67.19
CIELCh	78, 91.541, 132.775
Yxy	53.4347, 0.3213, 0.5567
Android (android.graphics.Color)	4284603186 (0xFF61DB32)
YUV	163.2560, -55.8352, -58.1065
Hunter-Lab	73.0990, -52.6227, 41.6745

Details

The XYZ color **30.8370, 53.4347, 11.7063** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark muted chartreuse. A complement of this color would be **30.9435, 16.1685, 68.5107**, and the grayscale version is **35.1974, 37.0304, 40.3261**.

A 20% lighter version of the original color is **52.8184, 79.9951, 27.1248**, and **13.2488, 26.2725, 4.3728** is the 20% darker color. If you saturate the color by 10%, you get **28.9531, 52.5073, 9.7143**, and if you desaturate by 10%, it is **33.2850, 54.6301, 14.9055**.

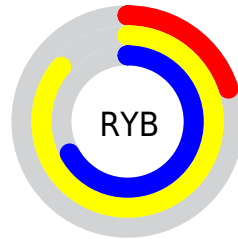
Distribution



Red (38%)

Green (86%)

Blue (20%)



Red (20%)

Yellow (86%)

Blue (67%)

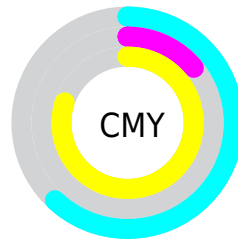


Cyan (56%)

Magenta (0%)

Yellow (77%)

Black (14%)



Cyan (62%)


Magenta (14%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8370, 53.4347, 11.7063 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 30.8370, 53.4347, 11.7063 by changing the saturation by 10% instead.


 30.8370, 53.4347,
11.7063


 30.8370, 53.4347,
11.7063


297.6270,
399.9507, 213.3595


 20.6260, 38.1499,
6.4239


 60.3609, 95.2437,
29.6154


 12.9618, 26.0991,
3.0316


 80.4046, 122.5367,
43.0792


 7.4790, 16.8978,
1.1108


 104.4564,
154.6013, 60.1072

 3.8124, 10.1616,
0.0000

 132.8819,
191.8217, 81.1180

 1.5966, 5.5062,
0.0000

 166.0464,
234.5825, 106.5301

 0.3902, 2.5472,
0.0000

204.3151,

 0.0000, 0.9002,

283.2680, 136.7620

0.0000

248.0535,
338.2626, 172.2323

■ 0.0000, 0.0000,
0.0000

■ 30.8370, 53.4347,
11.7063

■ 30.8370, 53.4347,
11.7063

■ 28.9531, 52.5073,
9.7143

■ 33.2850, 54.6301,
14.9055

■ 27.5717, 51.8156,
8.7265

■ 36.3402, 56.1075,
19.4591

■ 27.2508, 51.6541,
8.5340

■ 40.0453, 57.8877,
25.4971

■ 44.4375, 59.9875,
33.1333

■ 49.5515, 62.4225,
42.4703

■ 55.4190, 65.2070,
53.6023

■ 62.0701, 68.3546,
66.6164

■ 69.5331, 71.8781,
81.5942

■ 77.8348, 75.7897,
98.6123

Harmonies

Analogous

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



43.5598, 53.4347, 5.2988



30.8370, 53.4347, 11.7063



24.5213, 53.4347, 33.6257

Triad

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



30.8370, 53.4347, 11.7063



41.2733, 53.4347, 211.9747



92.2309, 53.4347, 39.0143

Complementary

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



30.8370, 53.4347, 11.7063



30.9435, 16.1685, 68.5107

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.



91.2063, 53.4347, 92.4762



30.8370, 53.4347, 11.7063



58.7748, 53.4347, 216.6946

Square

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



30.8370, 53.4347, 11.7063



29.5032, 53.4347, 153.9215



77.8932, 53.4347, 164.4959



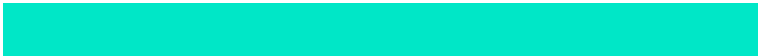
80.4307, 53.4347, 13.6624

Rectangle

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



30.8370, 53.4347, 11.7063



23.6087, 53.4347, 63.0785



77.8932, 53.4347, 164.4959



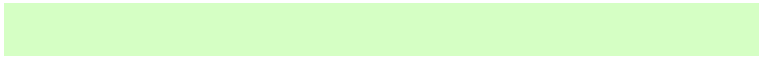
93.4428, 53.4347, 53.5444

Sweetspot

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



30.8382, 53.4370, 11.7075



73.1053, 89.6166, 65.8783



44.3765, 44.4629, 9.2618



15.0257, 18.8863, 12.9329



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.



30.8382, 53.4370, 11.7075



39.5057, 73.4385, 12.6587



28.3533, 52.0255, 17.4839



13.2247, 14.7806, 13.8815



16.2496, 30.6744, 5.0643



1.1356, 2.0300, 0.3320

Inverse Universe

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



30.9435, 16.1685, 68.5107



39.2642, 18.4738, 96.1041



38.8393, 20.7360, 46.4220



13.2430, 13.0834, 16.4795



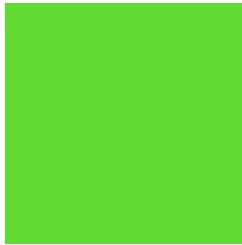
16.0658, 7.4064, 40.3212



1.1228, 0.5221, 2.6160

Previews

White Background



This preview shows how the XYZ color 30.8370, 53.4347, 11.7063 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 30.8370, 53.4347, 11.7063 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 30.8370, 53.4347, 11.7063

Background



This preview shows how black text looks on a background with the XYZ color 30.8370, 53.4347, 11.7063.



This preview shows how white text looks on a background with the XYZ color 30.8370, 53.4347,

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

30.8370, 53.4347, 11.7063

Protanopia

47.6046, 52.4726, 9.9047

Deuteranopia

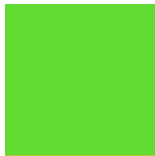
53.6465, 52.3745, 12.4361



Tritanopia

43.6973, 53.0733, 76.3477

Trichromacy



Original Color

30.8370, 53.4347, 11.7063



Protanomaly

38.8473, 51.3226, 10.4435



Deuteranomaly

41.0698, 50.0478, 11.7706



Tritanomaly

36.3946, 51.8860, 40.8977

Monochromacy



Original Color

30.8370, 53.4347, 11.7063



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.0938, 40.7611, 24.6412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8370, 53.4347, 11.7063 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(97, 219, 50)` looks like.

```
.text, #text, p{  
    color:rgb(97, 219, 50)  
}
```

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(97, 219, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 219, 50) }
```

Border

The CSS property to change the border of an element to XYZ 30.8370, 53.4347, 11.7063 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(97, 219, 50) }
```


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

```
.border{ border-color:rgb(97, 219, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 219, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 219, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 219, 50);  
box-shadow:4px 4px 4px 4px rgb(97, 219,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8370, 53.4347, 11.7063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 219, 50) }
```

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

```
.background{ background-color: rgb(97, 219,  
50) }
```

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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