

Converting Colors

XYZ(30.4551, 52.3829, 11.0410)

Have a look what the booklet for
XYZ(30.4551, 52.3829, 11.0410)
contains.

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Color

**XYZ(30.5615, 52.5323,
11.1138)**

Conversions

Conversions Part 1

Format	Color
Hex	64D92E
RGB	100, 217, 46
RGB Percent	39%, 85%, 18%
CMY	0.6078, 0.1490, 0.8196
CMYK	0.54, 0.00, 0.79, 0.15
HSL	101°, 69%, 52%
HSV	101°, 79%, 85%
XYZ	30.5615, 52.5323, 11.1138
YIQ	162.5230, -14.8410, -77.9850

Conversions

Conversions Part 2

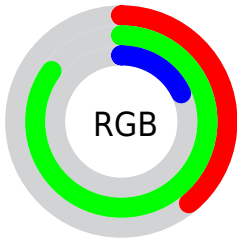
Format	Color
RYB	46, 217, 163
Decimal	6609198
CIELab	77.60, -60.90, 67.91
CIELCh	78, 91.213, 131.884
Yxy	52.5323, 0.3244, 0.5576
Android (android.graphics.Color)	4284799278 (0xFF64D92E)
YUV	162.5230, -57.4458, -54.8327
Hunter-Lab	72.4792, -51.5724, 41.6440

Details

The XYZ color **30.5615, 52.5323, 11.1138** 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 **28.6092, 14.7525, 66.9882**, and the grayscale version is **34.8563, 36.6716, 39.9353**.

A 20% lighter version of the original color is **53.0595, 80.1377, 26.3073**, and **13.0982, 25.6719, 4.2648** is the 20% darker color. If you saturate the color by 10%, you get **28.7421, 51.6335, 9.3324**, and if you desaturate by 10%, it is **32.8987, 53.6763, 14.0489**.

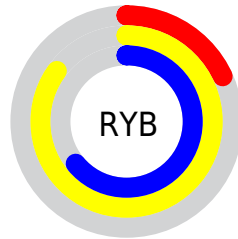
Distribution



Red (39%)

Green (85%)

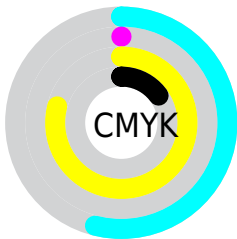
Blue (18%)



Red (18%)

Yellow (85%)

Blue (64%)

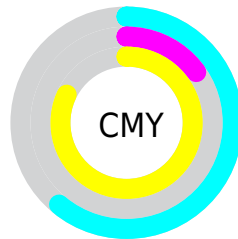


Cyan (54%)

Magenta (0%)

Yellow (79%)

Black (15%)



Cyan (61%)

Magenta (15%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5615, 52.5323, 11.1138 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 30.5615, 52.5323, 11.1138 by changing the saturation by 10% instead.

■ 30.5615, 52.5323,
11.1138

■ 30.5615, 52.5323,
11.1138

296.3761,
396.4882, 209.2120

■ 20.4154, 37.4295,
6.0283

■ 59.9296, 93.9158,
28.5103

■ 12.8073, 25.5402,
2.7932

■ 79.8822, 120.9653,
41.6583

■ 7.3721, 16.4800,
0.9900

■ 103.8344,
152.7659, 58.3310

■ 3.7443, 9.8645,
0.0000

■ 132.1515,
189.7019, 78.9467

■ 1.5585, 5.3092,
0.0000

■ 165.1989,
232.1577, 103.9242

■ 0.3651, 2.4298,
0.0000

■ 203.3419,

■ 0.0000, 0.8412,

280.5178, 133.6819

0.0000

246.9458,
335.1665, 168.6383

■ 0.0000, 0.0000,
0.0000

■ 30.5615, 52.5323,
11.1138

■ 30.5615, 52.5323,
11.1138

■ 28.7421, 51.6335,
9.3324

■ 32.8987, 53.6763,
14.0489

■ 27.3759, 50.9470,
8.4658


■ 35.7938, 55.0780,
18.2861


■ 27.2342, 50.8756,
8.3846


■ 39.2863, 56.7565,
23.9550


■ 43.4108, 58.7274,
31.1690

■ 48.1989, 61.0046,
40.0298

 53.6802, 63.6013,
50.6307

 59.8821, 66.5299,
63.0578

 66.8306, 69.8019,
77.3915

 74.5504, 73.4285,
93.7075

Harmonies

Analogous

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



43.2758, 52.5323, 5.1050



30.5615, 52.5323, 11.1138



24.1641, 52.5323, 32.0307

Triad

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



30.5615, 52.5323, 11.1138



40.1231, 52.5323, 207.7692



90.9433, 52.5323, 39.4597

Complementary

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



30.5615, 52.5323, 11.1138



28.6092, 14.7525, 66.9882

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.



89.5296, 52.5323, 92.9671



30.5615, 52.5323, 11.1138



57.2344, 52.5323, 214.2842

Square

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



30.5615, 52.5323, 11.1138



28.7231, 52.5323, 149.4609



76.1249, 52.5323, 164.0549



79.6255, 52.5323, 13.8070

Rectangle

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



30.5615, 52.5323, 11.1138



23.1550, 52.5323, 60.4476



76.1249, 52.5323, 164.0549



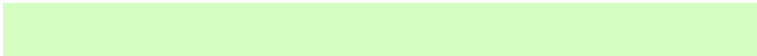
92.0027, 52.5323, 54.0684

Sweetspot

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



30.5627, 52.5345, 11.1150



72.9516, 89.5707, 64.3652



42.1814, 41.0928, 8.2941



15.0242, 18.8918, 12.6451



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.



30.5627, 52.5345, 11.1150



39.9739, 73.6841, 12.4880



27.2933, 50.7498, 15.4447



13.2715, 14.8047, 13.8837



16.5823, 30.8460, 5.0799



1.1619, 2.0435, 0.3332

Inverse Universe

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



28.6092, 14.7525, 66.9882



36.6682, 17.0270, 95.9616



38.4201, 20.2375, 48.1436



13.1937, 13.0580, 16.4772



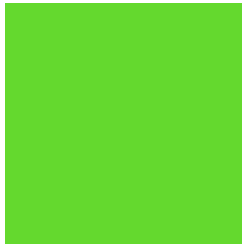
15.1414, 6.9298, 40.2780



1.0686, 0.4941, 2.6135

Previews

White Background



This preview shows how the XYZ color 30.5615, 52.5323, 11.1138 looks on a white background.

Color Contrast Check

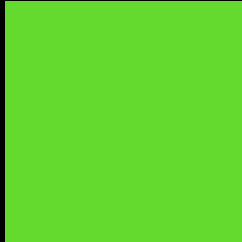
Large Text (above 18pt) WCAG AA × Fail

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 30.5615, 52.5323, 11.1138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

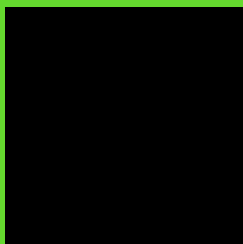
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.5615, 52.5323, 11.1138

Background



This preview shows how black text looks on a background with the XYZ color 30.5615, 52.5323, 11.1138.



This preview shows how white text looks on a background with the XYZ color 30.5615, 52.5323,

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

30.5615, 52.5323, 11.1138

Protanopia

46.7286, 51.7042, 9.4365

Deuteranopia

52.6810, 51.5838, 11.8827



Tritanopia

42.9813, 52.0488, 74.1107

Trichromacy



Original Color

30.5615, 52.5323, 11.1138



Protanomaly

38.3058, 50.3600, 9.8920



Deuteranomaly

40.7693, 49.5703, 11.2902



Tritanomaly

35.8370, 50.9141, 38.9490

Monochromacy



Original Color

30.5615, 52.5323, 11.1138



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.1389, 40.7985, 24.0030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5615, 52.5323, 11.1138 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(100, 217, 46)` looks like.

```
.text, #text, p{  
    color:rgb(100, 217, 46)  
}
```

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(100, 217, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 217, 46) }
```

Border

The CSS property to change the border of an element to XYZ 30.5615, 52.5323, 11.1138 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(100, 217, 46) }
```


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

```
.border{ border-color:rgb(100, 217, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 217, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 217, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 217, 46);  
box-shadow:4px 4px 4px 4px rgb(100, 217,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5615, 52.5323, 11.1138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 217, 46) }
```

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

```
.background{ background-color: rgb(100,  
217, 46) }
```

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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