

# Converting Colors

XYZ(30.4670, 50.7859, 11.7956)

Have a look what the booklet for  
XYZ(30.4670, 50.7859, 11.7956)  
contains.

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# Color

**XYZ(30.5472, 50.9901,  
11.8465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BD537
RGB	107, 213, 55
RGB Percent	42%, 84%, 22%
CMY	0.5804, 0.1647, 0.7843
CMYK	0.50, 0.00, 0.74, 0.16
HSL	100°, 65%, 53%
HSV	100°, 74%, 84%
XYZ	30.5472, 50.9901, 11.8465
YIQ	163.2940, -12.4580, -71.6100

# Conversions

## Conversions Part 2

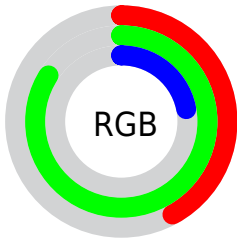
Format	Color
<a href="#">RYB</a>	55, 213, 161
Decimal	7066935
CIELab	76.67, -56.96, 64.30
CIELCh	77, 85.904, 131.536
Yxy	50.9901, 0.3271, 0.5460
Android (android.graphics.Color)	4285257015 (0xFF6BD537)
YUV	163.2940, -53.3889, -49.3698
Hunter-Lab	71.4074, -48.6027, 40.1489

# Details

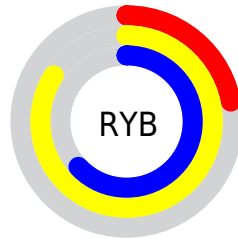
The XYZ color **30.5472, 50.9901, 11.8465** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **28.0774, 15.1154, 64.3913**, and the grayscale version is **35.2020, 37.0353, 40.3314**.

A 20% lighter version of the original color is **54.4105, 80.7968, 28.0569**, and **12.9320, 24.5651, 4.0599** is the 20% darker color. If you saturate the color by 10%, you get **28.5646, 50.0164, 9.6398**, and if you desaturate by 10%, it is **33.0364, 52.2027, 15.2284**.

# Distribution



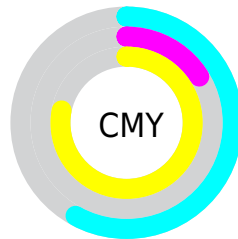
- Red (42%)
- Green (84%)
- Blue (22%)



- Red (22%)
- Yellow (84%)
- Blue (63%)



- Cyan (50%)
- Magenta (0%)
- Yellow (74%)
- Black (16%)




- Cyan (58%)
- Magenta (16%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5472, 50.9901, 11.8465 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 30.5472, 50.9901, 11.8465 by changing the saturation by 10% instead.





 30.5472, 50.9901,  
11.8465


 30.5472, 50.9901,  
11.8465


296.3111,  
390.5253, 214.3281

 20.4044, 36.2007,  
6.5180


 59.9072, 91.6401,  
29.8754


 12.7993, 24.5893,  
3.0887


 79.8551, 118.2696,  
43.4129


 7.3666, 15.7713,  
1.1401


 103.8021,  
149.6145, 60.5238

 3.7407, 9.3625,  
0.0000

 132.1136,  
186.0594, 81.6266

 1.5565, 4.9784,  
0.0000

 165.1549,  
227.9885, 107.1399

 0.3638, 2.2346,  
0.0000

203.2913,

 0.0000, 0.7387,

275.7862, 137.4823

0.0000

246.8883,  
329.8370, 173.0721

■ 0.0000, 0.0000,  
0.0000

■ 30.5472, 50.9901,  
11.8465

■ 30.5472, 50.9901,  
11.8465

■ 28.5646, 50.0164,  
9.6398

■ 33.0364, 52.2027,  
15.2284

■ 27.0404, 49.2556,  
8.4431

■ 36.0669, 53.6643,  
19.9155

■ 26.3279, 48.8962,  
8.0503

■ 39.6737, 55.3922,  
26.0244

■ 43.8879, 57.4001,  
33.6575

■ 48.7378, 59.7006,  
42.9083

■ 54.2501, 62.3055,  
53.8623

■ 60.4497, 65.2261,  
66.5992

■ 67.3604, 68.4728,  
81.1937

■ 75.0045, 72.0557,  
97.7161

# Harmonies

## Analogous

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



42.4764, 50.9901, 5.8836



30.5472, 50.9901, 11.8465



24.4449, 50.9901, 31.7143

# Triad

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



30.5472, 50.9901, 11.8465



39.2212, 50.9901, 191.1370



86.0093, 50.9901, 39.4673

# Complementary

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



30.5472, 50.9901, 11.8465



28.0774, 15.1154, 64.3913

# 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.



84.5839, 50.9901, 88.9826



30.5472, 50.9901, 11.8465



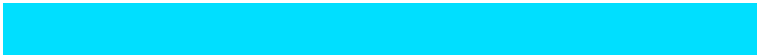
54.9906, 50.9901, 197.5932

# Square

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



30.5472, 50.9901, 11.8465



28.6251, 50.9901, 138.5832



72.2952, 50.9901, 153.1437



75.8393, 50.9901, 14.7938



# Rectangle

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



30.5472, 50.9901, 11.8465



23.4461, 50.9901, 57.9553



72.2952, 50.9901, 153.1437



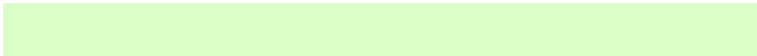
86.9219, 50.9901, 53.1530

# Sweetspot

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



30.5484, 50.9923, 11.8476



74.7800, 90.4460, 67.4885



40.7610, 39.6817, 9.1262



15.5464, 19.1416, 13.5475



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.



30.5484, 50.9923, 11.8476



41.5332, 74.4719, 13.2872



26.8691, 49.0022, 15.8936



12.6435, 14.0924, 13.2144



16.1780, 29.9164, 4.9218



1.0619, 1.8488, 0.3009



# Inverse Universe

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



28.0774, 15.1154, 64.3913



37.3625, 17.7942, 96.0731



37.7427, 20.4535, 48.7880



12.5374, 12.4185, 15.6737



14.3577, 6.5542, 38.9615

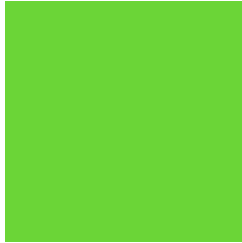


0.9516, 0.4394, 2.3540



# Previews

## White Background



This preview shows how the XYZ color 30.5472, 50.9901, 11.8465 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 30.5472, 50.9901, 11.8465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

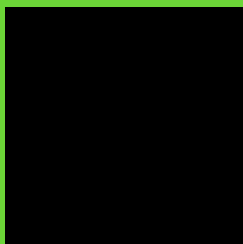
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 30.5472, 50.9901, 11.8465**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5472, 50.9901, 11.8465.



This preview shows how white text looks on a background with the XYZ color 30.5472, 50.9901,



# 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

30.5472, 50.9901, 11.8465

### Protanopia

45.4016, 50.0371, 10.1709

### Deuteranopia

51.1260, 50.1623, 12.6179



## Tritanopia

42.5207, 50.8215, 71.8584

# Trichromacy



## Original Color

30.5472, 50.9901, 11.8465



## Protanomaly

37.7974, 49.0558, 10.6085



## Deuteranomaly

40.2953, 48.3231, 12.0540



## Tritanomaly

35.9908, 49.9051, 39.6340

# Monochromacy



## Original Color

30.5472, 50.9901, 11.8465



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

31.4897, 40.3426, 25.1960

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5472, 50.9901, 11.8465 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(107, 213, 55)` looks like.

```
.text, #text, p{  
    color:rgb(107, 213, 55)  
}
```

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(107, 213, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 213, 55) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5472, 50.9901, 11.8465 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(107, 213, 55) }
```



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

```
.border{ border-color:rgb(107, 213, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 213, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 213, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 213, 55);  
box-shadow:4px 4px 4px 4px rgb(107, 213,  
55) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5472, 50.9901, 11.8465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 213, 55) }
```

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

```
.background{ background-color: rgb(107,  
213, 55) }
```

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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