

Converting Colors

XYZ(30.3199, 50.4506, 8.1399)

Have a look what the booklet for
XYZ(30.3199, 50.4506, 8.1399)
contains.

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Color

**XYZ(30.3535, 50.5977,
8.1665)**

Conversions

Conversions Part 1

Format	Color
Hex	71D400
RGB	113, 212, 0
RGB Percent	44%, 83%, 0%
CMY	0.5569, 0.1686, 0.9999
CMYK	0.47, 0.00, 1.00, 0.17
HSL	88°, 100%, 42%
HSV	88°, 100%, 83%
XYZ	30.3535, 50.5977, 8.1665
YIQ	158.2310, 9.0480, -86.9200

Conversions

Conversions Part 2

Format	Color
RYB	0, 212, 99
Decimal	7459840
CIELab	76.43, -56.66, 75.03
CIELCh	76, 94.018, 127.061
Yxy	50.5977, 0.3406, 0.5678
Android (android.graphics.Color)	4285649920 (0xFF71D400)
YUV	158.2310, -78.0079, -39.6676
Hunter-Lab	71.1321, -48.3115, 42.9855

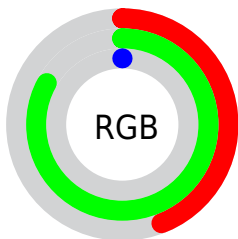
Details

The XYZ color **30.3535, 50.5977, 8.1665** 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 **17.0334, 7.4086, 62.8225**, and the grayscale version is **32.9474, 34.6632, 37.7483**.

A 20% lighter version of the original color is **54.5938, 81.0443, 21.1532**, and **13.0608, 24.3813, 4.0177** is the 20% darker color. If you saturate the color by 10%, you get **30.3530, 50.5991, 8.1668**, and if you desaturate by 10%, it is **31.8362, 51.3478, 8.9536**.

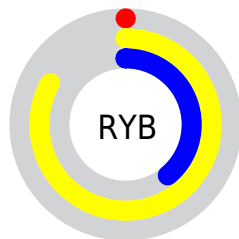
Distribution



Red (44%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (39%)

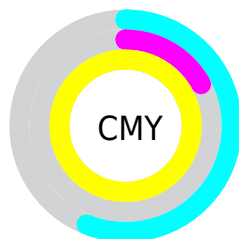


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (56%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3535, 50.5977, 8.1665 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 30.3535, 50.5977, 8.1665 by changing the saturation by 10% instead.


 30.3535, 50.5977,
8.1665


 30.3535, 50.5977,
8.1665


295.4291,
388.9987, 187.0153

 20.2565, 35.8885,
4.1124


 59.6036, 91.0598,
22.8357


 12.6910, 24.3481,
1.6872


 79.4873, 117.5816,
34.2879


 7.2916, 15.5921,
0.3519


 103.3640,
148.8097, 49.0433

 3.6931, 9.2360,
0.0000

 131.5990,
185.1285, 67.5202

 1.5300, 4.8954,
0.0000

 164.5576,
226.9224, 90.1373

 0.3461, 2.1860,
0.0000

 202.6053,

 0.0000, 0.7124,

274.5758, 117.3132

0.0000

246.1073,
328.4731, 149.4663

■ 0.0000, 0.0000,
0.0000

■ 30.3535, 50.5977,
8.1665

■ 30.3535, 50.5977,
8.1665

■ 30.3530, 50.5991,
8.1668

■ 31.8362, 51.3478,
8.9536

■ 33.6119, 52.2299,
10.5405

■ 35.7359, 53.2684,
13.1932

■ 38.2400, 54.4763,
17.0577

■ 41.1511, 55.8650,
22.2571

■ 44.4934, 57.4444,
28.8993

■ 48.2887, 59.2238,
37.0811

■ 52.5573, 61.2116,
46.8910

■ 57.3178, 63.4157,
58.4109

Harmonies

Analogous

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



44.0269, 50.5977, 3.9246



30.3535, 50.5977, 8.1665



23.0587, 50.5977, 25.1584

Triad

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



30.3535, 50.5977, 8.1665



36.0054, 50.5977, 202.5004



90.4084, 50.5977, 43.9552

Complementary

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



30.3535, 50.5977, 8.1665



17.0334, 7.4086, 62.8225

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.



86.7512, 50.5977, 102.5018



30.3535, 50.5977, 8.1665



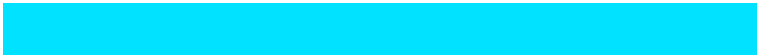
52.3990, 50.5977, 219.5617

Square

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



30.3535, 50.5977, 8.1665



25.7185, 50.5977, 137.2204



71.6654, 50.5977, 175.2754



80.6964, 50.5977, 14.7468

Rectangle

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



30.3535, 50.5977, 8.1665



21.4745, 50.5977, 50.2424



71.6654, 50.5977, 175.2754



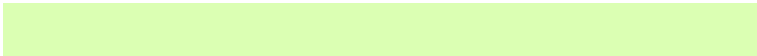
90.7339, 50.5977, 60.2447

Sweetspot

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



30.3547, 50.5999, 8.1676



73.1411, 89.8566, 55.8723



31.6098, 22.9117, 2.7571



15.1132, 18.9793, 10.7699



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.



30.3547, 50.5999, 8.1676



45.8974, 76.7460, 12.3944



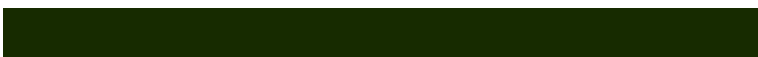
23.6335, 47.1350, 7.8531



12.8880, 14.2185, 13.2259



18.8543, 31.2961, 5.0470



1.2324, 1.9367, 0.3089

Inverse Universe

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



17.0334, 7.4086, 62.8225



25.6712, 11.1489, 95.4067



37.0443, 17.7246, 63.7590



12.2885, 12.2901, 15.6621



10.6274, 4.6311, 38.7869



0.7360, 0.3283, 2.3439

Previews

White Background



This preview shows how the XYZ color 30.3535, 50.5977, 8.1665 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 30.3535, 50.5977, 8.1665 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 30.3535, 50.5977, 8.1665

Background



This preview shows how black text looks on a background with the XYZ color 30.3535, 50.5977, 8.1665.



This preview shows how white text looks on a background with the XYZ color 30.3535, 50.5977,

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

30.3535, 50.5977, 8.1665

Protanopia

44.8472, 49.8153, 7.2516

Deuteranopia

50.9485, 49.8481, 9.2219



Tritanopia

42.7917, 50.3120, 70.4066

Trichromacy



Original Color

30.3535, 50.5977, 8.1665



Protanomaly

37.6454, 49.0465, 7.4828



Deuteranomaly

40.0971, 47.9824, 8.1851



Tritanomaly

34.7704, 48.7645, 30.8724

Monochromacy



Original Color

30.3535, 50.5977, 8.1665



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.4247, 38.5312, 18.1983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3535, 50.5977, 8.1665 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(113, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 212, 0)  
}
```

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(113, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 212, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.3535, 50.5977, 8.1665 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(113, 212, 0) }
```


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

```
.border{ border-color:rgb(113, 212, 0) }
```

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

Here you see how a box with a 4 pixel rgb(113, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 212,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3535, 50.5977, 8.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 212, 0) }
```

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

```
.background{ background-color: rgb(113,  
212, 0) }
```

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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