

Converting Colors

XYZ(30.1105, 51.2210, 8.2997)

Have a look what the booklet for
XYZ(30.1105, 51.2210, 8.2997)
contains.

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Color

**XYZ(30.1100, 51.2189,
8.2993)**

Conversions

Conversions Part 1

Format	Color
Hex	6BD600
RGB	107, 214, 0
RGB Percent	42%, 84%, 0%
CMY	0.5804, 0.1608, 0.9999
CMYK	0.50, 0.00, 1.00, 0.16
HSL	90°, 100%, 42%
HSV	90°, 100%, 84%
XYZ	30.1100, 51.2189, 8.2993
YIQ	157.6110, 4.9220, -89.2380

Conversions

Conversions Part 2

Format	Color
RYB	0, 214, 107
Decimal	7067136
CIELab	76.81, -59.20, 75.22
CIELCh	77, 95.723, 128.204
Yxy	51.2189, 0.3359, 0.5715
Android (android.graphics.Color)	4285257216 (0xFF6BD600)
YUV	157.6110, -77.7022, -44.3858
Hunter-Lab	71.5674, -50.1440, 43.2216

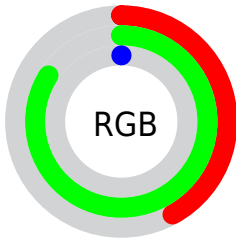
Details

The XYZ color **30.1100, 51.2189, 8.2993** 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 **18.2056, 7.9836, 64.2026**, and the grayscale version is **32.6649, 34.3660, 37.4246**.

A 20% lighter version of the original color is **53.5087, 80.4849, 21.1024**, and **12.9544, 24.8288, 4.1097** is the 20% darker color. If you saturate the color by 10%, you get **30.1094, 51.2202, 8.2996**, and if you desaturate by 10%, it is **31.6178, 51.9817, 9.0975**.

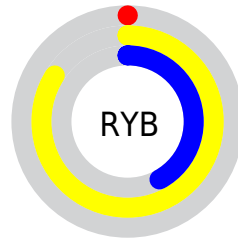
Distribution



Red (42%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (42%)

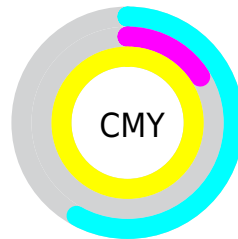


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (58%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1100, 51.2189, 8.2993 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 30.1100, 51.2189, 8.2993 by changing the saturation by 10% instead.


 30.1100, 51.2189,
8.2993


 30.1100, 51.2189,
8.2993


294.3175,
391.4137, 188.0825


 20.0706, 36.3828,
4.1965


 59.2215, 91.9783,
23.0989


 12.5549, 24.7300,
1.7338


 79.0243, 118.6704,
34.6329


 7.1977, 15.8760,
0.3837


 102.8123,
150.0833, 49.4809

 3.6335, 9.4365,
0.0000

 130.9509,
186.6014, 68.0617

 1.4969, 5.0270,
0.0000

 163.8053,
228.6091, 90.7937

 0.3237, 2.2631,
0.0000

 201.7410,

 0.0000, 0.7541,

276.4907, 118.0955

0.0000

245.1233,
330.6308, 150.3856

■ 0.0000, 0.0000,
0.0000

■ 30.1100, 51.2189,
8.2993

■ 30.1100, 51.2189,
8.2993

■ 30.1094, 51.2202,
8.2996

■ 31.6178, 51.9817,
9.0975

■ 33.4434, 52.8890,
10.7149

■ 35.6446, 53.9661,
13.4225

■ 38.2546, 55.2269,
17.3696

■ 41.3022, 56.6835,
22.6822

■ 44.8128, 58.3467,
29.4709

■ 48.8097, 60.2262,
37.8348

■ 53.3144, 62.3311,
47.8646

■ 58.3469, 64.6700,
59.6439

Harmonies

Analogous

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



43.8637, 51.2189, 3.7856



30.1100, 51.2189, 8.2993



22.9096, 51.2189, 26.2506

Triad

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



30.1100, 51.2189, 8.2993



36.8252, 51.2189, 209.8668



92.1083, 51.2189, 42.6717

Complementary

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



30.1100, 51.2189, 8.2993



18.2056, 7.9836, 64.2026

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.



88.8723, 51.2189, 101.7946



30.1100, 51.2189, 8.2993



53.8409, 51.2189, 225.0510

Square

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



30.1100, 51.2189, 8.2993



26.0610, 51.2189, 143.3890



73.6507, 51.2189, 177.1764



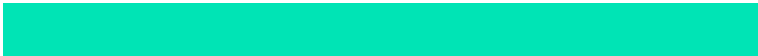
81.6299, 51.2189, 13.9473

Rectangle

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



30.1100, 51.2189, 8.2993



21.4411, 51.2189, 52.6903



73.6507, 51.2189, 177.1764



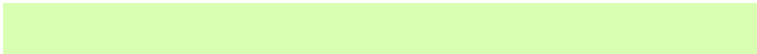
92.6301, 51.2189, 58.9647

Sweetspot

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



30.1112, 51.2211, 8.3004



72.3855, 89.4670, 55.8369



32.9923, 24.8155, 3.0518



14.9345, 18.8872, 10.7615



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.



30.1112, 51.2211, 8.3004



44.5843, 76.0691, 12.3330



24.0481, 48.0955, 8.0167



12.8480, 14.1978, 13.2240



18.3185, 31.0198, 5.0219



1.2003, 1.9202, 0.3074

Inverse Universe

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



18.2056, 7.9836, 64.2026



26.8799, 11.7720, 95.4632



39.8712, 19.1526, 65.2165



12.3284, 12.3107, 15.6639



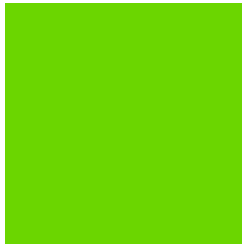
11.1226, 4.8864, 38.8101



0.7663, 0.3439, 2.3453

Previews

White Background



This preview shows how the XYZ color 30.1100, 51.2189, 8.2993 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 30.1100, 51.2189, 8.2993 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 30.1100, 51.2189, 8.2993

Background



This preview shows how black text looks on a background with the XYZ color 30.1100, 51.2189, 8.2993.



This preview shows how white text looks on a background with the XYZ color 30.1100, 51.2189,

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

30.1100, 51.2189, 8.2993

Protanopia

45.3490, 50.3922, 7.3365

Deuteranopia

51.4998, 50.4266, 9.4018



Tritanopia

42.8425, 50.9874, 71.8735

Trichromacy



Original Color

30.1100, 51.2189, 8.2993



Protanomaly

37.6496, 49.3868, 7.5483



Deuteranomaly

40.2944, 48.7303, 8.3807



Tritanomaly

34.5657, 49.3518, 31.3710

Monochromacy



Original Color

30.1100, 51.2189, 8.2993



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

28.9168, 38.2693, 18.1746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1100, 51.2189, 8.2993 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, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 214, 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(107, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 214, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.1100, 51.2189, 8.2993 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, 214, 0) }
```


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

```
.border{ border-color:rgb(107, 214, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 214, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 214,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1100, 51.2189, 8.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 214, 0) }
```

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

```
.background{ background-color: rgb(107,  
214, 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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