

Converting Colors

XYZ(30.8915, 51.3170, 10.5294)

Have a look what the booklet for
XYZ(30.8915, 51.3170, 10.5294)
contains.

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Color

**XYZ(30.7858, 51.1424,
10.5344)**

Conversions

Conversions Part 1

Format	Color
Hex	6FD52B
RGB	111, 213, 43
RGB Percent	44%, 84%, 17%
CMY	0.5647, 0.1647, 0.8313
CMYK	0.48, 0.00, 0.80, 0.16
HSL	96°, 67%, 50%
HSV	96°, 80%, 84%
XYZ	30.7858, 51.1424, 10.5344
YIQ	163.1220, -6.2220, -74.4940

Conversions

Conversions Part 2

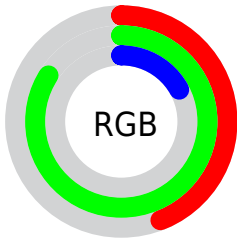
Format	Color
RYB	43, 213, 145
Decimal	7329067
CIELab	76.77, -56.47, 68.13
CIELCh	77, 88.487, 129.656
Yxy	51.1424, 0.3330, 0.5531
Android (android.graphics.Color)	4285519147 (0xFF6FD52B)
YUV	163.1220, -59.2201, -45.7110
Hunter-Lab	71.5139, -48.3074, 41.3260

Details

The XYZ color **30.7858, 51.1424, 10.5344** 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 **24.5543, 12.5536, 64.0826**, and the grayscale version is **35.1451, 36.9754, 40.2662**.

A 20% lighter version of the original color is **54.7857, 81.0453, 25.5878**, and **13.1837, 24.6948, 4.0717** is the 20% darker color. If you saturate the color by 10%, you get **28.9979, 50.2563, 8.9164**, and if you desaturate by 10%, it is **33.0100, 52.2331, 13.2388**.

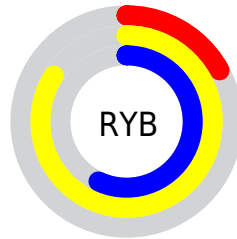
Distribution



Red (44%)

Green (84%)

Blue (17%)



Red (17%)

Yellow (84%)

Blue (57%)

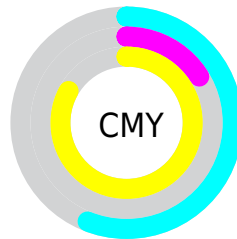


Cyan (48%)

Magenta (0%)

Yellow (80%)

Black (16%)



Cyan (56%)

Magenta (16%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7858, 51.1424, 10.5344 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 30.7858, 51.1424, 10.5344 by changing the saturation by 10% instead.


 30.7858, 51.1424,
10.5344


 30.7858, 51.1424,
10.5344


297.3948,
391.1168, 205.0662

 20.5868, 36.3219,
5.6445


 60.2808, 91.8652,
27.4193

 12.9331, 24.6829,
2.5649


 80.3076, 118.5364,
40.2513


 7.4591, 15.8410,
0.8742


 104.3409,
149.9266, 56.5678

 3.7997, 9.4117,
0.0000

 132.7463,
186.4202, 76.7874

 1.5895, 5.0107,
0.0000

 165.8890,
228.4016, 101.3284

 0.3855, 2.2535,
0.0000

 204.1345,

 0.0000, 0.7489,

276.2553, 130.6095

0.0000

247.8479,
330.3655, 165.0493

■ 0.0000, 0.0000,
0.0000

■ 30.7858, 51.1424,
10.5344

■ 30.7858, 51.1424,
10.5344

■ 28.9979, 50.2563,
8.9164

■ 33.0100, 52.2331,
13.2388

■ 27.5837, 49.5434,
8.1207

■ 35.7041, 53.5376,
17.1737

■ 27.5592, 49.5310,
8.1079

■ 38.9015, 55.0721,
22.4646

■ 42.6309, 56.8491,
29.2206

■ 46.9189, 58.8799,
37.5399

■ 51.7898, 61.1753,
47.5119

■ 57.2665, 63.7452,
59.2195

■ 63.3706, 66.5990,
72.7399

■ 70.1225, 69.7457,
88.1456

Harmonies

Analogous

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



43.3946, 51.1424, 5.2311



30.7858, 51.1424, 10.5344



24.1948, 51.1424, 29.3379

Triad

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



30.7858, 51.1424, 10.5344



38.2310, 51.1424, 195.0713



87.8695, 51.1424, 41.5766

Complementary

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



30.7858, 51.1424, 10.5344



24.5543, 12.5536, 64.0826

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.



85.5810, 51.1424, 94.3931



30.7858, 51.1424, 10.5344



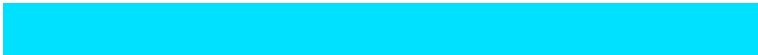
54.2259, 51.1424, 205.5300

Square

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



30.7858, 51.1424, 10.5344



27.7564, 51.1424, 137.9451



72.2502, 51.1424, 161.4530



77.9285, 51.1424, 15.0766

Rectangle

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



30.7858, 51.1424, 10.5344



22.9528, 51.1424, 55.1327



72.2502, 51.1424, 161.4530



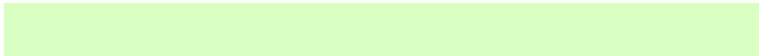
88.5489, 51.1424, 56.2417

Sweetspot

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



30.7870, 51.1446, 10.5355



74.4716, 90.3543, 64.4363



38.0043, 34.5738, 6.9566



15.3846, 19.0777, 12.6619



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.



30.7870, 51.1446, 10.5355



42.0136, 74.7374, 12.5043



25.6077, 48.4307, 12.2744



12.7278, 14.1359, 13.2184



16.9418, 30.3101, 4.9575



1.1139, 1.8756, 0.3033

Inverse Universe

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



24.5543, 12.5536, 64.0826



32.0829, 14.6186, 95.7385



38.2703, 19.8608, 54.0438



12.4501, 12.3735, 15.6696



12.8747, 5.7896, 38.8921



0.8688, 0.3968, 2.3501

Previews

White Background



This preview shows how the XYZ color 30.7858, 51.1424, 10.5344 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 30.7858, 51.1424, 10.5344 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 30.7858, 51.1424, 10.5344

Background



This preview shows how black text looks on a background with the XYZ color 30.7858, 51.1424, 10.5344.



This preview shows how white text looks on a background with the XYZ color 30.7858, 51.1424,

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

30.7858, 51.1424, 10.5344

Protanopia

45.6829, 50.5258, 9.0950

Deuteranopia

51.5278, 50.3993, 11.2872



Tritanopia

42.8129, 50.6465, 71.1376

Trichromacy



Original Color

30.7858, 51.1424, 10.5344



Protanomaly

38.2395, 49.6486, 9.4872



Deuteranomaly

40.7825, 48.6043, 10.7221



Tritanomaly

35.9255, 49.5681, 37.3799

Monochromacy



Original Color

30.7858, 51.1424, 10.5344



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.3552, 40.3089, 23.5806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7858, 51.1424, 10.5344 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(111, 213, 43)` looks like.

```
.text, #text, p{  
    color:rgb(111, 213, 43)  
}
```

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(111, 213, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 213, 43) }
```

Border

The CSS property to change the border of an element to XYZ 30.7858, 51.1424, 10.5344 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(111, 213, 43) }
```


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

```
.border{ border-color:rgb(111, 213, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 213, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 213, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 213, 43);  
box-shadow:4px 4px 4px 4px rgb(111, 213,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7858, 51.1424, 10.5344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 213, 43) }
```

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

```
.background{ background-color: rgb(111,  
213, 43) }
```

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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