

Converting Colors

XYZ(30.4786, 58.9413, 11.1084)

Have a look what the booklet for
XYZ(30.4786, 58.9413, 11.1084)
contains.

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Color

**XYZ(30.4818, 58.9400,
11.1365)**

Conversions

Conversions Part 1

Format	Color
Hex	2DE920
RGB	45, 233, 32
RGB Percent	18%, 91%, 13%
CMY	0.8235, 0.0863, 0.8745
CMYK	0.81, 0.00, 0.86, 0.09
HSL	116°, 82%, 52%
HSV	116°, 86%, 91%
XYZ	30.4818, 58.9400, 11.1365
YIQ	153.8740, -47.5270, -102.3670

Conversions

Conversions Part 2

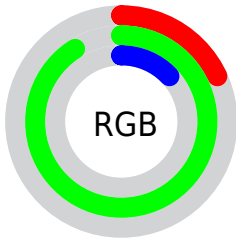
Format	Color
RYB	32, 233, 220
Decimal	3008800
CIELab	81.26, -76.97, 74.16
CIELCh	81, 106.882, 136.068
Yxy	58.9400, 0.3031, 0.5861
Android (android.graphics.Color)	4281198880 (0xFF2DE920)
YUV	153.8740, -60.0839, -95.4825
Hunter-Lab	76.7724, -63.4798, 45.1401

Details

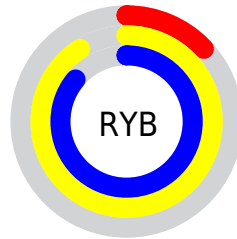
The XYZ color **30.4818, 58.9400, 11.1365** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **44.7459, 22.1355, 79.0082**, and the grayscale version is **30.9319, 32.5427, 35.4390**.

A 20% lighter version of the original color is **46.6163, 76.8565, 24.1822**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **29.5459, 58.4839, 9.9815**, and if you desaturate by 10%, it is **32.1379, 59.7451, 13.4921**.

Distribution



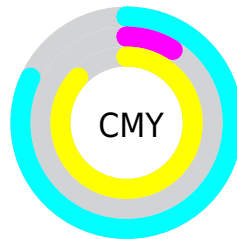
- Red (18%)
- Green (91%)
- Blue (13%)



- Red (13%)
- Yellow (91%)
- Blue (86%)



- Cyan (81%)
- Magenta (0%)
- Yellow (86%)
- Black (9%)




- Cyan (82%)
- Magenta (9%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4818, 58.9400, 11.1365 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 30.4818, 58.9400, 11.1365 by changing the saturation by 10% instead.


 30.4818, 58.9400,
11.1365


 30.4818, 58.9400,
11.1365


296.0135,
420.6795, 209.3726

 20.3545, 42.5648,
6.0434


 59.8047, 103.2905,
28.5528


 12.7627, 29.5438,
2.8023


 79.7310, 132.0345,
41.7131


 7.3412, 19.4926,
0.9946


 103.6543,
165.6703, 58.3995

 3.7246, 12.0268,
0.0000

 131.9399,
204.5823, 79.0306

 1.5476, 6.7619,
0.0000

 164.9533,
249.1548, 104.0249

 0.3579, 3.3136,
0.0000

 203.0598,

 0.0000, 1.2976,

299.7723, 133.8010

0.0000

246.6248,
356.8190, 168.7774

■ 0.0000, 0.1393,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.4818, 58.9400,
11.1365

■ 30.4818, 58.9400,
11.1365

■ 29.5459, 58.4839,
9.9815


■ 32.1379, 59.7451,
13.4921


■ 29.3380, 58.3822,
9.7226


■ 34.6179, 60.9427,
17.2622


■ 38.0125, 62.5775,
22.6233


■ 42.3993, 64.6864,
29.7250

 47.8478, 67.3022,
38.7000

 54.4211, 70.4549,
49.6677

 62.1775, 74.1722,
62.7380

 71.1711, 78.4798,
78.0126

 81.4527, 83.4019,
95.5866

Harmonies

Analogous

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



44.9783, 58.9400, 3.7344



30.4818, 58.9400, 11.1365



23.8750, 58.9400, 38.9319

Triad

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



30.4818, 58.9400, 11.1365



46.3244, 58.9400, 272.1584



108.1067, 58.9400, 35.8503

Complementary

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



30.4818, 58.9400, 11.1365



44.7459, 22.1355, 79.0082

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.



108.7488, 58.9400, 98.4879



30.4818, 58.9400, 11.1365



68.7368, 58.9400, 269.0680

Square

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



30.4818, 58.9400, 11.1365



31.2408, 58.9400, 199.3241



92.8913, 58.9400, 192.5168



91.3179, 58.9400, 10.1601

Rectangle

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



30.4818, 58.9400, 11.1365



23.3018, 58.9400, 78.0415



92.8913, 58.9400, 192.5168



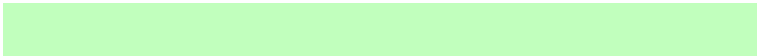
110.3445, 58.9400, 52.0579

Sweetspot

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



30.4832, 58.9425, 11.1378



66.9010, 86.5164, 61.1468



59.3561, 68.4079, 11.4431



13.6826, 18.2127, 12.0213



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.



30.4832, 58.9425, 11.1378



35.9819, 71.6344, 11.9304



33.0725, 59.9220, 27.3102



14.9584, 16.9086, 15.9940



16.6815, 33.1441, 5.5182



1.3416, 2.6190, 0.4348

Inverse Universe

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



44.7459, 22.1355, 79.0082



53.4859, 25.4879, 96.7084



39.3037, 20.4305, 29.0286



15.6131, 15.2613, 19.0451



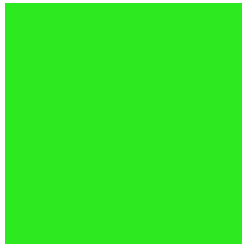
24.7834, 11.8122, 44.7167



1.9752, 0.9425, 3.5127

Previews

White Background



This preview shows how the XYZ color 30.4818, 58.9400, 11.1365 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 30.4818, 58.9400, 11.1365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

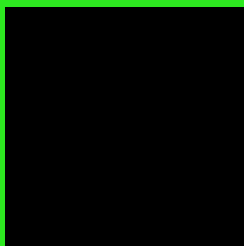
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4818, 58.9400, 11.1365

Background



This preview shows how black text looks on a background with the XYZ color 30.4818, 58.9400, 11.1365.

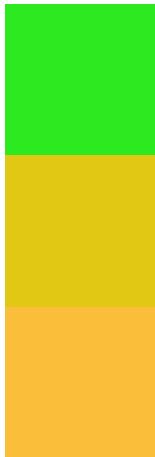


This preview shows how white text looks on a background with the XYZ color 30.4818, 58.9400,

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

30.4818, 58.9400, 11.1365

Protanopia

51.8410, 57.3702, 9.0507

Deuteranopia

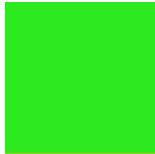
58.9608, 57.6416, 12.0214



Tritanopia

45.4898, 58.5695, 86.7494

Trichromacy



Original Color

30.4818, 58.9400, 11.1365



Protanomaly

38.2162, 54.6307, 9.4503



Deuteranomaly

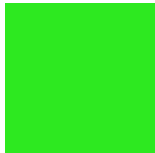
40.5302, 53.5945, 11.1143



Tritanomaly

36.3880, 57.1876, 42.8387

Monochromacy



Original Color

30.4818, 58.9400, 11.1365



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

26.6874, 38.5702, 20.7901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4818, 58.9400, 11.1365 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(45, 233, 32)` looks like.

```
.text, #text, p{  
    color:rgb(45, 233, 32)  
}
```

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(45, 233, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 233, 32) }
```

Border

The CSS property to change the border of an element to XYZ 30.4818, 58.9400, 11.1365 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(45, 233, 32) }
```


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

```
.border{ border-color:rgb(45, 233, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 233, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 233, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 233, 32);  
box-shadow:4px 4px 4px 4px rgb(45, 233,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4818, 58.9400, 11.1365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 233, 32) }
```

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

```
.background{ background-color: rgb(45, 233,  
32) }
```

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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