

Converting Colors

XYZ(30.3242, 58.4396, 12.0010)

Have a look what the booklet for
XYZ(30.3242, 58.4396, 12.0010)
contains.

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Color

**XYZ(30.2889, 58.4012,
11.9617)**

Conversions

Conversions Part 1

Format	Color
Hex	2BE82B
RGB	43, 232, 43
RGB Percent	17%, 91%, 17%
CMY	0.8314, 0.0902, 0.8313
CMYK	0.81, 0.00, 0.81, 0.09
HSL	120°, 80%, 54%
HSV	120°, 81%, 91%
XYZ	30.2889, 58.4012, 11.9617
YIQ	153.9430, -51.9750, -98.8470

Conversions

Conversions Part 2

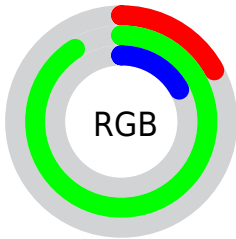
Format	Color
RYB	43, 232, 232
Decimal	2877483
CIELab	80.96, -76.42, 71.39
CIELCh	81, 104.573, 136.948
Yxy	58.4012, 0.3009, 0.5802
Android (android.graphics.Color)	4281067563 (0xFF2BE82B)
YUV	153.9430, -54.6949, -97.2970
Hunter-Lab	76.4207, -62.9887, 44.2141

Details

The XYZ color **30.2889, 58.4012, 11.9617** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **48.7086, 24.7101, 78.5421**, and the grayscale version is **30.9406, 32.5519, 35.4490**.

A 20% lighter version of the original color is **46.6220, 76.8250, 25.7361**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **29.2668, 57.9120, 10.2886**, and if you desaturate by 10%, it is **32.1076, 59.2766, 14.9359**.

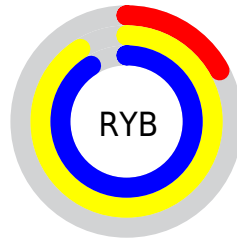
Distribution



Red (17%)

Green (91%)

Blue (17%)



Red (17%)

Yellow (91%)

Blue (91%)

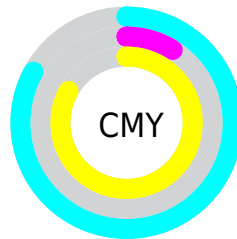


Cyan (81%)

Magenta (0%)

Yellow (81%)

Black (9%)



Cyan (83%)


Magenta (9%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2889, 58.4012, 11.9617 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 30.2889, 58.4012, 11.9617 by changing the saturation by 10% instead.


 30.2889, 58.4012,
11.9617


 30.2889, 58.4012,
11.9617


295.1345,
418.6792, 215.1205


 20.2071, 42.1313,
6.5954


 59.5023, 102.5069,
30.0887

 12.6548, 29.2041,
3.1358


 79.3646, 131.1114,
43.6864


 7.2667, 19.2353,
1.1644


 103.2177,
164.5963, 60.8651

 3.6772, 11.8404,
0.0000

 131.4272,
203.3458, 82.0431

 1.5212, 6.6351,
0.0000

 164.3582,
247.7445, 107.6392

 0.3402, 3.2350,
0.0000

 202.3762,

 0.0000, 1.2556,

298.1767, 138.0717

0.0000

245.8465,
355.0268, 173.7593

■ 0.0000, 0.1064,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.2889, 58.4012,
11.9617

■ 30.2889, 58.4012,
11.9617

■ 29.2668, 57.9120,
10.2886


■ 32.1076, 59.2766,
14.9359


■ 28.8578, 57.7156,
9.6196


■ 34.8366, 60.5874,
19.3998


■ 38.5752, 62.3833,
25.5152


■ 43.4092, 64.7053,
33.4221

 49.4148, 67.5901,
43.2454

 56.6618, 71.0712,
55.0990

 65.2143, 75.1794,
69.0878

 75.1320, 79.9434,
85.3097

 86.4711, 85.3902,
103.8562

Harmonies

Analogous

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



44.2269, 58.4012, 4.1199



30.2889, 58.4012, 11.9617



24.0082, 58.4012, 40.2680

Triad

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



30.2889, 58.4012, 11.9617



46.6206, 58.4012, 265.0628



105.6663, 58.4012, 34.7609

Complementary

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



30.2889, 58.4012, 11.9617



48.7086, 24.7101, 78.5421

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.



106.7965, 58.4012, 94.5237



30.2889, 58.4012, 11.9617



68.5622, 58.4012, 259.6610

Square

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



30.2889, 58.4012, 11.9617



31.6463, 58.4012, 196.7194



91.8622, 58.4012, 184.7885



89.0879, 58.4012, 10.1753

Rectangle

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



30.2889, 58.4012, 11.9617



23.5703, 58.4012, 79.1445



91.8622, 58.4012, 184.7885



107.9927, 58.4012, 50.2182

Sweetspot

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



30.2903, 58.4036, 11.9630



67.6723, 86.8491, 64.1199



62.5739, 75.0465, 13.4729



13.7898, 18.2555, 12.5877



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.



30.2903, 58.4036, 11.9630



35.8519, 71.5641, 12.0705



34.4055, 60.0497, 33.6336



14.1894, 16.0892, 15.2623



16.0201, 32.0402, 5.3403



1.1838, 2.3677, 0.3947

Inverse Universe

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



48.7086, 24.7101, 78.5421



59.3433, 28.5899, 96.9876



38.6954, 20.7048, 25.8132



14.9952, 14.6152, 18.1749



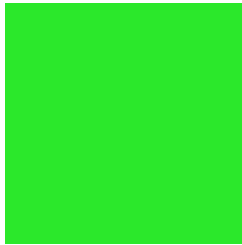
26.5603, 12.7583, 43.4411



1.9627, 0.9428, 3.2102

Previews

White Background



This preview shows how the XYZ color 30.2889, 58.4012, 11.9617 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 30.2889, 58.4012, 11.9617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

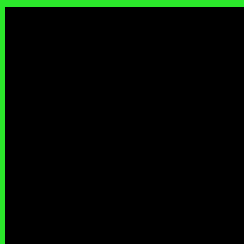
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2889, 58.4012, 11.9617

Background



This preview shows how black text looks on a background with the XYZ color 30.2889, 58.4012, 11.9617.

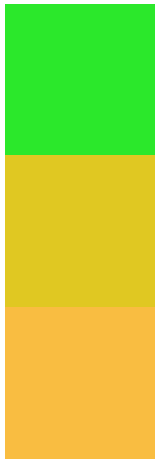


This preview shows how white text looks on a background with the XYZ color 30.2889, 58.4012,

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

30.2889, 58.4012, 11.9617

Protanopia

51.6835, 57.2713, 9.8438

Deuteranopia

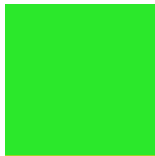
58.2187, 56.9166, 12.9186



Tritanopia

44.9728, 57.9380, 85.9036

Trichromacy



Original Color

30.2889, 58.4012, 11.9617



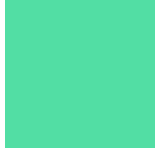
Protanomaly

37.9780, 54.4896, 10.2662



Deuteranomaly

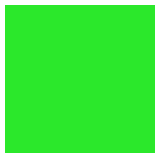
40.0254, 52.9567, 11.9830



Tritanomaly

36.3018, 56.7167, 44.1561

Monochromacy



Original Color

30.2889, 58.4012, 11.9617



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

26.7046, 38.2482, 21.8947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2889, 58.4012, 11.9617 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(43, 232, 43)` looks like.

```
.text, #text, p{  
    color:rgb(43, 232, 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(43, 232, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 232, 43) }
```

Border

The CSS property to change the border of an element to XYZ 30.2889, 58.4012, 11.9617 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(43, 232, 43) }
```


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

```
.border{ border-color:rgb(43, 232, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 232, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 232, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 232, 43);  
box-shadow:4px 4px 4px 4px rgb(43, 232,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2889, 58.4012, 11.9617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 232, 43) }
```

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

```
.background{ background-color: rgb(43, 232,  
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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