

Converting Colors

XYZ(30.4536, 58.9093, 11.8634)

Have a look what the booklet for
XYZ(30.4536, 58.9093, 11.8634)
contains.

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Color

**XYZ(30.4536, 58.9093,
11.8634)**

Conversions

Conversions Part 1

Format	Color
Hex	29E929
RGB	41, 233, 41
RGB Percent	16%, 91%, 16%
CMY	0.8392, 0.0863, 0.8392
CMYK	0.82, 0.00, 0.82, 0.09
HSL	120°, 81%, 54%
HSV	120°, 82%, 91%
XYZ	30.4536, 58.9093, 11.8634
YIQ	153.7040, -52.8000, -100.4160

Conversions

Conversions Part 2

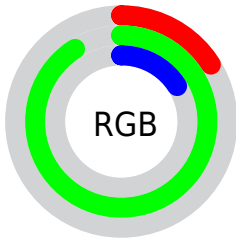
Format	Color
R _Y B	41, 233, 233
Decimal	2746665
CIE Lab	81.24, -77.01, 72.13
CIE LCh	81, 105.514, 136.871
Yxy	58.9093, 0.3008, 0.5820
Android (android.graphics.Color)	4280936745 (0xFF29E929)
YUV	153.7040, -55.5631, -98.8414
Hunter-Lab	76.7524, -63.4920, 44.5624

Details

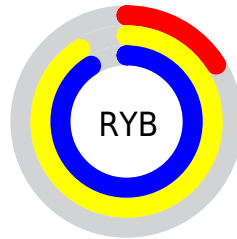
The XYZ color **30.4536, 58.9093, 11.8634** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **49.1058, 24.7931, 79.2842**, and the grayscale version is **30.8394, 32.4455, 35.3331**.

A 20% lighter version of the original color is **46.5709, 76.8046, 25.4669**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **29.4908, 58.4486, 10.2873**, and if you desaturate by 10%, it is **32.2083, 59.7540, 14.7329**.

Distribution



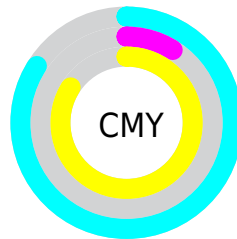
- Red (16%)
- Green (91%)
- Blue (16%)



- Red (16%)
- Yellow (91%)
- Blue (91%)



- Cyan (82%)
- Magenta (0%)
- Yellow (82%)
- Black (9%)





- Cyan (84%)
- Magenta (9%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4536, 58.9093, 11.8634 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 30.4536, 58.9093, 11.8634 by changing the saturation by 10% instead.


 30.4536, 58.9093,
11.8634


 30.4536, 58.9093,
11.8634


295.8851,
420.5657, 214.4446

 20.3329, 42.5401,
6.5293


 59.7605, 103.2458,
29.9067


 12.7469, 29.5244,
3.0956


 79.6774, 131.9820,
43.4531


 7.3303, 19.4779,
1.1436


 103.5905,
165.6092, 60.5739

 3.7177, 12.0161,
0.0000

 131.8650,
204.5119, 81.6878

 1.5437, 6.7547,
0.0000

 164.8664,
249.0745, 107.2133

 0.3553, 3.3091,
0.0000

 202.9600,

 0.0000, 1.2952,

299.6815, 137.5689

0.0000

246.5111,
356.7170, 173.1731

■ 0.0000, 0.1375,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.4536, 58.9093,
11.8634

■ 30.4536, 58.9093,
11.8634

■ 29.4908, 58.4486,
10.2873

■ 32.2083, 59.7540,
14.7329

■ 29.1401, 58.2802,
9.7137

■ 34.8723, 61.0336,
19.0905

■ 38.5475, 62.7990,
25.1022

■ 43.3215, 65.0922,
32.9109

■ 49.2722, 67.9506,
42.6444

■ 56.4706, 71.4084,
54.4186

■ 64.9820, 75.4969,
68.3403

■ 74.8673, 80.2452,
84.5090

■ 86.1833, 85.6809,
103.0178

Harmonies

Analogous

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



44.5944, 58.9093, 4.0361



30.4536, 58.9093, 11.8634



24.0821, 58.9093, 40.3794

Triad

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



30.4536, 58.9093, 11.8634



46.9254, 58.9093, 269.1272



106.9878, 58.9093, 35.0249

Complementary

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



30.4536, 58.9093, 11.8634



49.1058, 24.7931, 79.2842

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.



108.0919, 58.9093, 95.7696



30.4536, 58.9093, 11.8634



69.1818, 58.9093, 263.8383

Square

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



30.4536, 58.9093, 11.8634



31.7731, 58.9093, 199.3330



92.8688, 58.9093, 187.6614



90.1600, 58.9093, 10.1393

Rectangle

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



30.4536, 58.9093, 11.8634



23.6282, 58.9093, 79.7481



92.8688, 58.9093, 187.6614



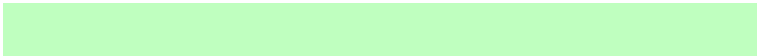
109.3395, 58.9093, 50.7179

Sweetspot

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



30.4550, 58.9117, 11.8647



66.7406, 86.4016, 62.5960



63.1459, 75.7646, 13.3938



13.6117, 18.1700, 12.2965



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.



30.4550, 58.9117, 11.8647



35.8060, 71.5421, 11.9954



34.5701, 60.5578, 33.5346



14.8684, 16.8622, 15.9900



16.5341, 33.0681, 5.5116



1.2983, 2.5966, 0.4328

Inverse Universe

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



49.1058, 24.7931, 79.2842



59.3157, 28.5346, 96.9787



38.9141, 20.7165, 25.6155



15.7149, 15.3138, 19.0497



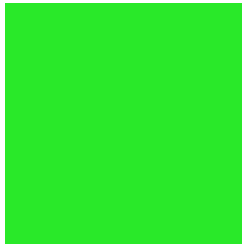
27.4125, 13.1677, 44.8350



2.1526, 1.0340, 3.5207

Previews

White Background



This preview shows how the XYZ color 30.4536, 58.9093, 11.8634 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 30.4536, 58.9093, 11.8634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

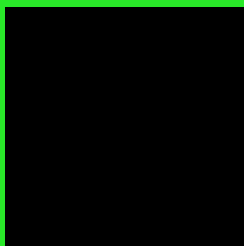
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4536, 58.9093, 11.8634

Background



This preview shows how black text looks on a background with the XYZ color 30.4536, 58.9093, 11.8634.

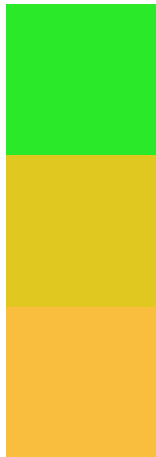


This preview shows how white text looks on a background with the XYZ color 30.4536, 58.9093,

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

30.4536, 58.9093, 11.8634

Protanopia

51.9663, 57.4204, 9.7108

Deuteranopia

58.7350, 57.5098, 12.7075



Tritanopia

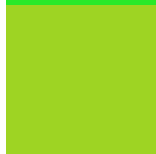
45.2577, 58.4498, 86.7385

Trichromacy



Original Color

30.4536, 58.9093, 11.8634



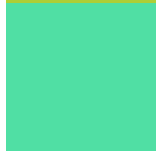
Protanomaly

37.9474, 54.4774, 10.1053



Deuteranomaly

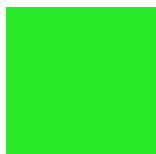
40.2165, 53.4171, 11.8053



Tritanomaly

36.3968, 57.1612, 44.2369

Monochromacy



Original Color

30.4536, 58.9093, 11.8634



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

26.7242, 38.5699, 21.6590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4536, 58.9093, 11.8634 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(41, 233, 41)` looks like.

```
.text, #text, p{  
    color:rgb(41, 233, 41)  
}
```

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(41, 233, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 233, 41) }
```

Border

The CSS property to change the border of an element to XYZ 30.4536, 58.9093, 11.8634 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(41, 233, 41) }
```


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

```
.border{ border-color:rgb(41, 233, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 233, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 233, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 233, 41);  
box-shadow:4px 4px 4px 4px rgb(41, 233,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4536, 58.9093, 11.8634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 233, 41) }
```

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

```
.background{ background-color: rgb(41, 233,  
41) }
```

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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