

Converting Colors

XYZ(30.0010, 58.3241, 9.6765)

Have a look what the booklet for
XYZ(30.0010, 58.3241, 9.6765)
contains.

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Color

**XYZ(29.9833, 58.2941,
9.6716)**

Conversions

Conversions Part 1

Format	Color
Hex	2EE800
RGB	46, 232, 0
RGB Percent	18%, 91%, 0%
CMY	0.8196, 0.0902, 0.9999
CMYK	0.80, 0.00, 1.00, 0.09
HSL	108°, 100%, 45%
HSV	108°, 100%, 91%
XYZ	29.9833, 58.2941, 9.6716
YIQ	149.9380, -36.3840, -111.5840

Conversions

Conversions Part 2

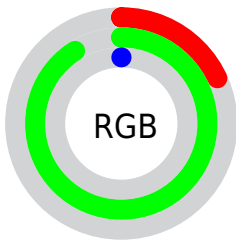
Format	Color
RYB	0, 232, 186
Decimal	3074048
CIELab	80.90, -77.31, 77.84
CIELCh	81, 109.707, 134.806
Yxy	58.2941, 0.3061, 0.5951
Android (android.graphics.Color)	4281264128 (0xFF2EE800)
YUV	149.9380, -73.9194, -91.1536
Hunter-Lab	76.3506, -63.5155, 45.9349

Details

The XYZ color **29.9833, 58.2941, 9.6716** 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 **34.8252, 16.2709, 77.6523**, and the grayscale version is **29.2807, 30.8056, 33.5473**.

A 20% lighter version of the original color is **46.2738, 76.7366, 21.6053**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **29.9833, 58.2959, 9.6719**, and if you desaturate by 10%, it is **31.1685, 58.8887, 10.5468**.

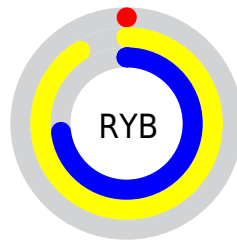
Distribution



Red (18%)

Green (91%)

Blue (0%)



Red (0%)

Yellow (91%)

Blue (73%)

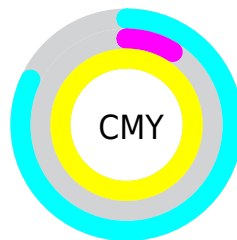


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (82%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9833, 58.2941, 9.6716 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 29.9833, 58.2941, 9.6716 by changing the saturation by 10% instead.


 29.9833, 58.2941,
9.6716


 29.9833, 58.2941,
9.6716


293.7378,
418.2809, 198.7108


 19.9739, 42.0451,
5.0790


 59.0226, 102.3510,
25.7740

 12.4842, 29.1366,
2.2342


 78.7832, 130.9277,
38.1210


 7.1489, 19.1842,
0.6940


 102.5249,
164.3825, 53.8898

 3.6026, 11.8035,
0.0000

 130.6131,
203.0997, 73.4990

 1.4798, 6.6100,
0.0000

 163.4132,
247.4638, 97.3672

 0.3121, 3.2194,
0.0000

 201.2904,

 0.0000, 1.2473,

297.8591, 125.9128

0.0000

244.6102,
354.6700, 159.5545

■ 0.0000, 0.0999,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.9833, 58.2941,
9.6716

■ 29.9833, 58.2941,
9.6716

■ 29.9833, 58.2959,
9.6719

■ 31.1685, 58.8887,
10.5468

■ 32.9449, 59.7647,
12.4290

■ 35.4095, 60.9668,
15.6353

■ 38.6291, 62.5255,
20.3499

■ 42.6620, 64.4676,
26.7282

■ 47.5605, 66.8169,
34.9061

■ 53.3725, 69.5956,
45.0055

■ 60.1420, 72.8239,
57.1377

■ 67.9105, 76.5209,
71.4055

Harmonies

Analogous

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



44.9817, 58.2941, 3.0906



29.9833, 58.2941, 9.6716



23.0513, 58.2941, 36.0189

Triad

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



29.9833, 58.2941, 9.6716



44.7342, 58.2941, 276.7534



109.2416, 58.2941, 36.5810

Complementary

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



29.9833, 58.2941, 9.6716



34.8252, 16.2709, 77.6523

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.



109.1216, 58.2941, 102.2046



29.9833, 58.2941, 9.6716



67.3297, 58.2941, 277.3373

Square

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



29.9833, 58.2941, 9.6716



29.8450, 58.2941, 198.6507



92.2201, 58.2941, 199.9314



92.5133, 58.2941, 9.8430

Rectangle

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



29.9833, 58.2941, 9.6716



22.2948, 58.2941, 74.5362



92.2201, 58.2941, 199.9314



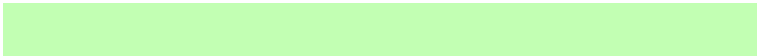
111.2923, 58.2941, 53.5614

Sweetspot

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



29.9846, 58.2965, 9.6729



66.0069, 86.1787, 55.5384



50.7571, 52.1102, 7.3840



13.4463, 18.1200, 10.6919



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.



29.9846, 58.2965, 9.6729



37.1017, 72.2117, 11.9828



29.9519, 58.1533, 15.3783



14.4547, 16.2259, 15.2745



16.7259, 32.4040, 5.3731



1.3103, 2.4329, 0.4005

Inverse Universe

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



34.8252, 16.2709, 77.6523



43.0808, 20.1239, 96.2214



39.8388, 19.7805, 36.0933



14.7006, 14.4634, 18.1612



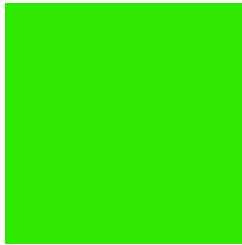
19.4362, 9.0856, 43.1125



1.5078, 0.7083, 3.1892

Previews

White Background



This preview shows how the XYZ color 29.9833, 58.2941, 9.6716 looks on a white background.

Color Contrast Check

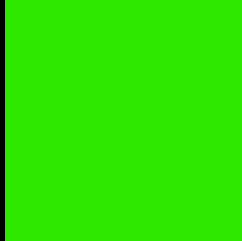
Large Text (above 18pt) WCAG AA × Fail

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 29.9833, 58.2941, 9.6716 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 29.9833, 58.2941, 9.6716

Background



This preview shows how black text looks on a background with the XYZ color 29.9833, 58.2941, 9.6716.



This preview shows how white text looks on a background with the XYZ color 29.9833, 58.2941,

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

29.9833, 58.2941, 9.6716

Protanopia

51.1639, 56.6941, 8.2464

Deuteranopia

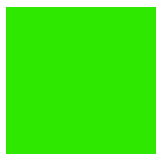
58.1977, 56.9495, 10.9426



Tritanopia

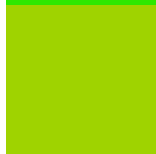
45.0895, 57.9982, 85.9091

Trichromacy



Original Color

29.9833, 58.2941, 9.6716



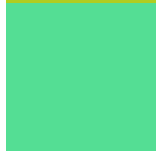
Protanomaly

37.5923, 53.9595, 8.4339



Deuteranomaly

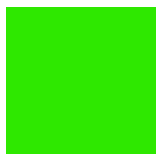
39.9965, 52.9970, 9.4879



Tritanomaly

35.1227, 56.2655, 37.0261

Monochromacy



Original Color

29.9833, 58.2941, 9.6716



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.0689, 36.9135, 16.6302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9833, 58.2941, 9.6716 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(46, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 232, 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(46, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 232, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.9833, 58.2941, 9.6716 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(46, 232, 0) }
```


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

```
.border{ border-color:rgb(46, 232, 0) }
```

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

Here you see how a box with a 4 pixel rgb(46, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 232, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.9833, 58.2941, 9.6716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 232, 0) }
```

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

```
.background{ background-color: rgb(46, 232,  
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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