

Converting Colors

XYZ(29.8462, 58.2443, 9.6692)

Have a look what the booklet for
XYZ(29.8462, 58.2443, 9.6692)
contains.

XYZ(29.8529, 58.2268, 9.6655)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.8529, 58.2268,
9.6655)**

Conversions

Conversions Part 1

Format	Color
Hex	2BE800
RGB	43, 232, 0
RGB Percent	17%, 91%, 0%
CMY	0.8314, 0.0902, 0.9999
CMYK	0.81, 0.00, 1.00, 0.09
HSL	109°, 100%, 45%
HSV	109°, 100%, 91%
XYZ	29.8529, 58.2268, 9.6655
YIQ	149.0410, -38.1720, -112.2200

Conversions

Conversions Part 2

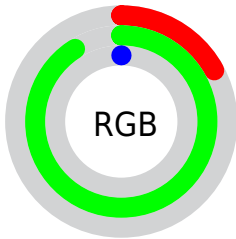
Format	Color
RYB	0, 232, 189
Decimal	2877440
CIELab	80.86, -77.65, 77.79
CIELCh	81, 109.910, 134.947
Yxy	58.2268, 0.3054, 0.5957
Android (android.graphics.Color)	4281067520 (0xFF2BE800)
YUV	149.0410, -73.4772, -92.9980
Hunter-Lab	76.3065, -63.7029, 45.9045

Details

The XYZ color **29.8529, 58.2268, 9.6655** 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 **35.5614, 16.6505, 77.6866**, and the grayscale version is **28.8985, 30.4034, 33.1093**.

A 20% lighter version of the original color is **45.9789, 76.5846, 21.5915**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **29.8530, 58.2286, 9.6658**, and if you desaturate by 10%, it is **30.9953, 58.7994, 10.5387**.

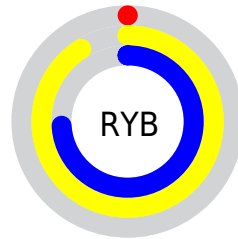
Distribution



Red (17%)

Green (91%)

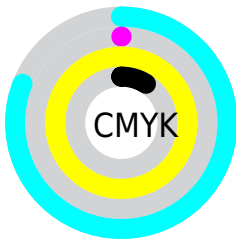
Blue (0%)



Red (0%)

Yellow (91%)

Blue (74%)

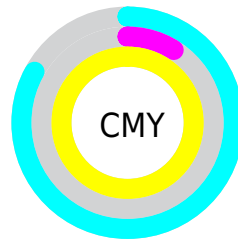


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (83%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8529, 58.2268, 9.6655 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 29.8529, 58.2268, 9.6655 by changing the saturation by 10% instead.


 29.8529, 58.2268,
9.6655


 29.8529, 58.2268,
9.6655


293.1403,
418.0305, 198.6650

 19.8745, 41.9910,
5.0751


 58.8177, 102.2531,
25.7623

 12.4116, 29.0943,
2.2319


 78.5348, 130.8123,
38.1058

 7.0988, 19.1521,
0.6927


 102.2288,
164.2482, 53.8706

 3.5709, 11.7803,
0.0000

 130.2651,
202.9451, 73.4754

 1.4623, 6.5942,
0.0000

 163.0091,
247.2873, 97.3387

 0.3000, 3.2097,
0.0000

 200.8260,

 0.0000, 1.2421,

297.6594, 125.8791

0.0000

244.0813,
354.4457, 159.5150

■ 0.0000, 0.0957,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.8529, 58.2268,
9.6655

■ 29.8529, 58.2268,
9.6655

■ 29.8530, 58.2286,
9.6658

■ 30.9953, 58.7994,
10.5387

■ 32.7363, 59.6570,
12.4193

■ 35.1752, 60.8459,
15.6244

■ 38.3809, 62.3975,
20.3384

■ 42.4134, 64.3393,
26.7167

■ 47.3266, 66.6962,
34.8953

■ 53.1695, 69.4909,
44.9962

■ 59.9877, 72.7443,
57.1307

■ 67.8236, 76.4760,
71.4017

Harmonies

Analogous

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



44.8183, 58.2268, 3.0616



29.8529, 58.2268, 9.6655



22.9568, 58.2268, 36.1297

Triad

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



29.8529, 58.2268, 9.6655



44.7499, 58.2268, 277.3671



109.2206, 58.2268, 36.2852

Complementary

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



29.8529, 58.2268, 9.6655



35.5614, 16.6505, 77.6866

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.



109.1873, 58.2268, 101.7817



29.8529, 58.2268, 9.6655



67.3980, 58.2268, 277.5289

Square

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



29.8529, 58.2268, 9.6655



29.8147, 58.2268, 199.3075



92.3166, 58.2268, 199.6624



92.3978, 58.2268, 9.7127

Rectangle

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



29.8529, 58.2268, 9.6655



22.2211, 58.2268, 74.8160



92.3166, 58.2268, 199.6624



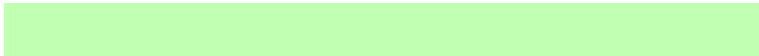
111.3041, 58.2268, 53.2071

Sweetspot

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



29.8542, 58.2292, 9.6668



65.7545, 86.0486, 55.5266



50.7570, 52.1101, 7.3840



13.3883, 18.0901, 10.6892



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.



29.8542, 58.2292, 9.6668



36.9431, 72.1299, 11.9754



29.9518, 58.1532, 15.3783



14.4371, 16.2169, 15.2737



16.6493, 32.3645, 5.3695



1.3021, 2.4286, 0.4001

Inverse Universe

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



35.5614, 16.6505, 77.6866



43.9966, 20.5960, 96.2643



39.8387, 19.7805, 36.0933



14.7196, 14.4732, 18.1621



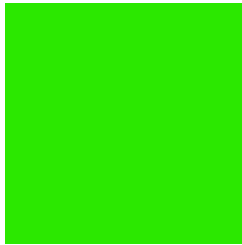
19.8402, 9.2939, 43.1314



1.5342, 0.7219, 3.1904

Previews

White Background



This preview shows how the XYZ color 29.8529, 58.2268, 9.6655 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 29.8529, 58.2268, 9.6655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

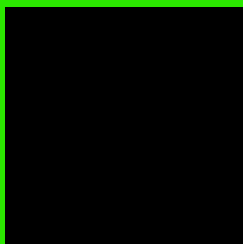
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8529, 58.2268, 9.6655

Background



This preview shows how black text looks on a background with the XYZ color 29.8529, 58.2268, 9.6655.



This preview shows how white text looks on a background with the XYZ color 29.8529, 58.2268, 9.6655.

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

29.8529, 58.2268, 9.6655

Protanopia

51.1639, 56.6941, 8.2464

Deuteranopia

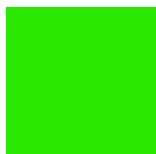
58.1977, 56.9495, 10.9426



Tritanopia

44.9728, 57.9380, 85.9036

Trichromacy



Original Color

29.8529, 58.2268, 9.6655



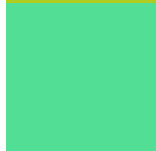
Protanomaly

37.3948, 53.8576, 8.4247



Deuteranomaly

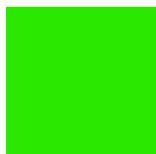
39.7712, 52.8809, 9.4774



Tritanomaly

34.9462, 56.1745, 37.0179

Monochromacy



Original Color

29.8529, 58.2268, 9.6655



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

24.6161, 36.3814, 16.5514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8529, 58.2268, 9.6655 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 232, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.8529, 58.2268, 9.6655 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, 0) }
```


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

```
.border{ border-color:rgb(43, 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(43, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 232, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.8529, 58.2268, 9.6655 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, 0) }
```

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

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