

Converting Colors

XYZ(29.1553, 57.8881, 9.6369)

Have a look what the booklet for
XYZ(29.1553, 57.8881, 9.6369)
contains.

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Color

**XYZ(29.1451, 57.8619,
9.6324)**

Conversions

Conversions Part 1

Format	Color
Hex	14E800
RGB	20, 232, 0
RGB Percent	8%, 91%, 0%
CMY	0.9216, 0.0902, 0.9999
CMYK	0.91, 0.00, 1.00, 0.09
HSL	115°, 100%, 45%
HSV	115°, 100%, 91%
XYZ	29.1451, 57.8619, 9.6324
YIQ	142.1640, -51.8800, -117.0960

Conversions

Conversions Part 2

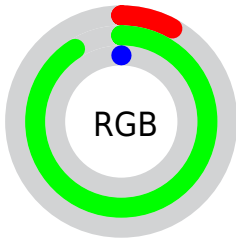
Format	Color
RYB	0, 232, 212
Decimal	1370112
CIELab	80.66, -79.48, 77.54
CIELCh	81, 111.039, 135.706
Yxy	57.8619, 0.3016, 0.5987
Android (android.graphics.Color)	4279560192 (0xFF14E800)
YUV	142.1640, -70.0869, -107.1378
Hunter-Lab	76.0670, -64.7249, 45.7390

Details

The XYZ color **29.1451, 57.8619, 9.6324** 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 **41.7282, 19.8296, 77.9751**, and the grayscale version is **26.0627, 27.4200, 29.8604**.

A 20% lighter version of the original color is **44.8164, 75.9900, 21.3223**, and **15.1361, 30.2721, 5.0454** is the 20% darker color. If you saturate the color by 10%, you get **29.1456, 57.8639, 9.6327**, and if you desaturate by 10%, it is **29.9374, 58.2539, 10.4892**.

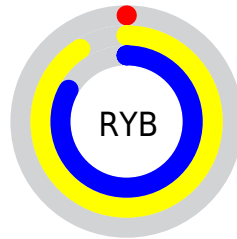
Distribution



Red (8%)

Green (91%)

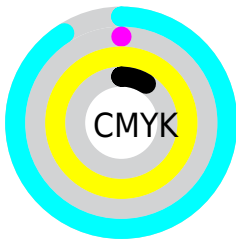
Blue (0%)



Red (0%)

Yellow (91%)

Blue (83%)

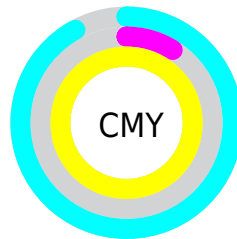


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (92%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1451, 57.8619, 9.6324 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 29.1451, 57.8619, 9.6324 by changing the saturation by 10% instead.


 29.1451, 57.8619,
9.6324


 29.1451, 57.8619,
9.6324


289.8808,
416.6711, 198.4165


 19.3354, 41.6976,
5.0535


 57.7035, 101.7217,
25.6987

 12.0184, 28.8646,
2.2194


 77.1830, 130.1861,
38.0231

 6.8285, 18.9784,
0.6855


 100.6164,
163.5192, 53.7665

 3.4004, 11.6547,
0.0000

 128.3692,
202.1056, 73.3474

 1.3689, 6.5090,
0.0000

 160.8067,
246.3296, 97.1843

 0.2339, 3.1570,
0.0000

 198.2942,

 0.0000, 1.2142,

296.5756, 125.6957

0.0000

241.1971,
353.2280, 159.3003

■ 0.0000, 0.0733,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.1451, 57.8619,
9.6324

■ 29.1451, 57.8619,
9.6324

■ 29.1456, 57.8639,
9.6327

■ 29.9374, 58.2539,
10.4892

■ 31.3717, 58.9536,
12.3555

■ 33.5731, 60.0200,
15.5495

■ 36.6301, 61.4949,
20.2567

■ 40.6189, 63.4142,
26.6330

■ 45.6074, 65.8100,
34.8152

■ 51.6571, 68.7111,
44.9258

■ 58.8243, 72.1445,
57.0768

■ 67.1617, 76.1348,
71.3713

Harmonies

Analogous

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



43.9309, 57.8619, 2.9055



29.1451, 57.8619, 9.6324



22.4435, 57.8619, 36.7451

Triad

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



29.1451, 57.8619, 9.6324



44.8387, 57.8619, 280.7762



109.1132, 57.8619, 34.6908

Complementary

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



29.1451, 57.8619, 9.6324



41.7282, 19.8296, 77.9751

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.



109.5569, 57.8619, 99.4869



29.1451, 57.8619, 9.6324



67.7786, 57.8619, 278.6053

Square

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



29.1451, 57.8619, 9.6324



29.6501, 57.8619, 202.9564



92.8543, 57.8619, 198.2046



91.7715, 57.8619, 9.0181

Rectangle

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



29.1451, 57.8619, 9.6324



21.8203, 57.8619, 76.3709



92.8543, 57.8619, 198.2046



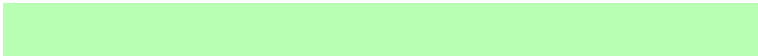
111.3769, 57.8619, 51.2917

Sweetspot

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



29.1464, 57.8643, 9.6337



63.8743, 85.0793, 55.4386



56.0333, 62.6628, 9.1428



12.9585, 17.8685, 10.6691



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.



29.1464, 57.8643, 9.6337



36.0898, 71.6900, 11.9354



30.8260, 58.5029, 19.9820



14.3037, 16.1481, 15.2675



16.2231, 32.1448, 5.3495



1.2388, 2.3960, 0.3972

Inverse Universe

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



41.7282, 19.8296, 77.9751



51.6705, 24.5520, 96.6234



37.9564, 19.0276, 26.1809



14.8663, 14.5488, 18.1690



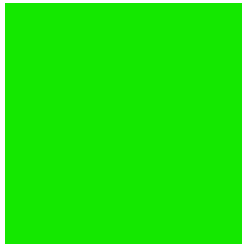
23.2181, 11.0353, 43.2895



1.7519, 0.8341, 3.2006

Previews

White Background



This preview shows how the XYZ color 29.1451, 57.8619, 9.6324 looks on a white background.

Color Contrast Check

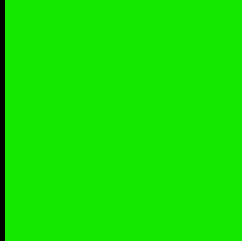
Large Text (above 18pt) WCAG AA × Fail

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 29.1451, 57.8619, 9.6324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

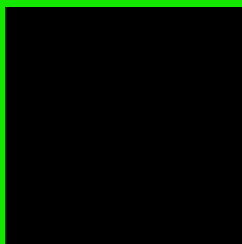
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1451, 57.8619, 9.6324

Background



This preview shows how black text looks on a background with the XYZ color 29.1451, 57.8619, 9.6324.



This preview shows how white text looks on a background with the XYZ color 29.1451, 57.8619,

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

29.1451, 57.8619, 9.6324

Protanopia

51.1639, 56.6941, 8.2464

Deuteranopia

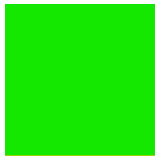
57.6259, 56.3365, 10.8544



Tritanopia

44.4094, 57.6476, 85.8773

Trichromacy



Original Color

29.1451, 57.8619, 9.6324



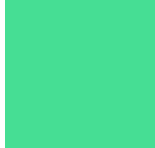
Protanomaly

35.8719, 53.0726, 8.3534



Deuteranomaly

37.5795, 51.3970, 9.3065



Tritanomaly

33.9924, 55.6828, 36.9732

Monochromacy



Original Color

29.1451, 57.8619, 9.6324



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.2124, 33.9948, 15.0638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1451, 57.8619, 9.6324 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(20, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 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(20, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 232, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.1451, 57.8619, 9.6324 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(20, 232, 0) }
```


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

```
.border{ border-color:rgb(20, 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(20, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 232, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.1451, 57.8619, 9.6324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 232, 0) }
```

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

```
.background{ background-color: rgb(20, 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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