

Converting Colors

XYZ(29.9296, 58.8519, 9.9804)

Have a look what the booklet for
XYZ(29.9296, 58.8519, 9.9804)
contains.

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Color

**XYZ(29.8045, 58.6165,
9.9443)**

Conversions

Conversions Part 1

Format	Color
Hex	21E907
RGB	33, 233, 7
RGB Percent	13%, 91%, 3%
CMY	0.8706, 0.0863, 0.9724
CMYK	0.86, 0.00, 0.97, 0.09
HSL	113°, 94%, 47%
HSV	113°, 97%, 91%
XYZ	29.8045, 58.6165, 9.9443
YIQ	147.4360, -46.6540, -112.6860

Conversions

Conversions Part 2

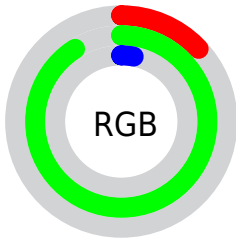
Format	Color
RYB	7, 233, 207
Decimal	2222343
CIELab	81.08, -78.76, 77.31
CIELCh	81, 110.363, 135.531
Yxy	58.6165, 0.3030, 0.5959
Android (android.graphics.Color)	4280412423 (0xFF21E907)
YUV	147.4360, -69.2349, -100.3604
Hunter-Lab	76.5614, -64.4944, 45.8920

Details

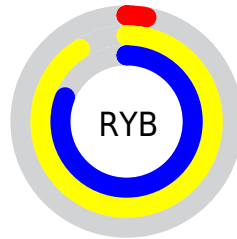
The XYZ color **29.8045, 58.6165, 9.9443** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **40.5271, 19.3067, 78.6844**, and the grayscale version is **28.2090, 29.6781, 32.3195**.

A 20% lighter version of the original color is **45.4483, 76.3062, 21.7844**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **29.5862, 58.5102, 9.7342**, and if you desaturate by 10%, it is **30.8799, 59.1495, 11.0402**.

Distribution



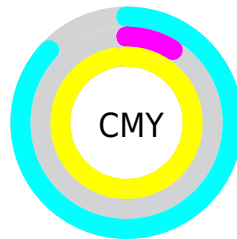
- Red (13%)
- Green (91%)
- Blue (3%)



- Red (3%)
- Yellow (91%)
- Blue (81%)



- Cyan (86%)
- Magenta (0%)
- Yellow (97%)
- Black (9%)





- Cyan (87%)
- Magenta (9%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8045, 58.6165, 9.9443 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 29.8045, 58.6165, 9.9443 by changing the saturation by 10% instead.


 29.8045, 58.6165,
9.9443


 29.8045, 58.6165,
9.9443


292.9183,
419.4792, 200.7444


 19.8376, 42.3045,
5.2569


 58.7416, 102.8201,
26.2969

 12.3846, 29.3398,
2.3374


 78.4425, 131.4804,
38.7991

 7.0802, 19.3380,
0.7521


 102.1188,
165.0257, 54.7434

 3.5591, 11.9148,
0.0000

 130.1358,
203.8402, 74.5483

 1.4559, 6.6857,
0.0000

 162.8589,
248.3085, 98.6323

 0.2955, 3.2663,
0.0000

 200.6535,

 0.0000, 1.2723,

298.8148, 127.4140

0.0000

243.8848,
355.7436, 161.3118

■ 0.0000, 0.1196,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.8045, 58.6165,
9.9443

■ 29.8045, 58.6165,
9.9443

■ 29.5862, 58.5102,
9.7342

■ 30.8799, 59.1495,
11.0402

■ 32.6405, 60.0087,
13.3076

■ 35.1831, 61.2410,
16.9754

■ 38.5869, 62.8831,
22.2201

■ 42.9209, 64.9676,
29.1928

■ 48.2472, 67.5234,
38.0265

■ 54.6224, 70.5771,
48.8415

■ 62.0988, 74.1534,
61.7477

■ 70.7253, 78.2753,
76.8472

Harmonies

Analogous

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



44.7239, 58.6165, 3.0963



29.8045, 58.6165, 9.9443



23.0020, 58.6165, 37.1907

Triad

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



29.8045, 58.6165, 9.9443



45.4088, 58.6165, 280.7218



109.8927, 58.6165, 35.6365

Complementary

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



29.8045, 58.6165, 9.9443



40.5271, 19.3067, 78.6844

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.



110.2255, 58.6165, 100.8497



29.8045, 58.6165, 9.9443



68.3696, 58.6165, 279.0996

Square

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



29.8045, 58.6165, 9.9443



30.1867, 58.6165, 202.9587



93.4637, 58.6165, 199.4027



92.6507, 58.6165, 9.4730

Rectangle

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



29.8045, 58.6165, 9.9443



22.3469, 58.6165, 76.7810



93.4637, 58.6165, 199.4027



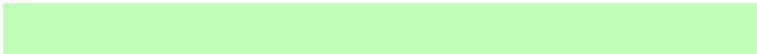
112.1163, 58.6165, 52.4124

Sweetspot

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



29.8059, 58.6189, 9.9456



65.2282, 85.7473, 56.8560



55.8701, 61.7916, 9.1843



13.2354, 18.0057, 10.9362



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.



29.8059, 58.6189, 9.9456



36.2753, 71.7857, 11.9441



31.2331, 59.1275, 20.2754



15.0291, 16.9450, 15.9973



16.8392, 33.2254, 5.5256



1.3754, 2.6364, 0.4364

Inverse Universe

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



40.5271, 19.3067, 78.6844



49.3187, 23.3396, 96.5134



38.9000, 19.5642, 29.0761



15.5345, 15.2208, 19.0414



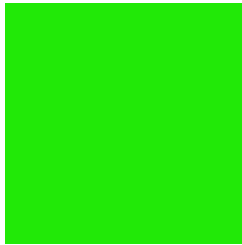
22.8917, 10.8370, 44.6282



1.8460, 0.8759, 3.5067

Previews

White Background



This preview shows how the XYZ color 29.8045, 58.6165, 9.9443 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 29.8045, 58.6165, 9.9443 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 29.8045, 58.6165, 9.9443

Background



This preview shows how black text looks on a background with the XYZ color 29.8045, 58.6165, 9.9443.



This preview shows how white text looks on a background with the XYZ color 29.8045, 58.6165,

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

29.8045, 58.6165, 9.9443

Protanopia

51.7056, 57.3161, 8.3379

Deuteranopia

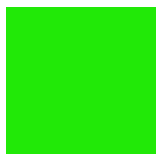
58.5788, 57.1434, 11.0743



Tritanopia

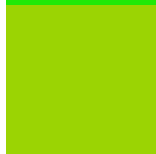
45.1436, 58.3910, 86.7332

Trichromacy



Original Color

29.8045, 58.6165, 9.9443



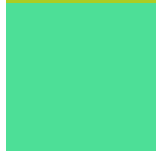
Protanomaly

37.0775, 54.0621, 8.5670



Deuteranomaly

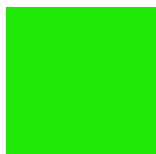
39.1480, 52.5546, 9.6709



Tritanomaly

35.0342, 56.5875, 38.3541

Monochromacy



Original Color

29.8045, 58.6165, 9.9443



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

23.9756, 35.7495, 16.7030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8045, 58.6165, 9.9443 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(33, 233, 7)` looks like.

```
.text, #text, p{  
    color:rgb(33, 233, 7)  
}
```

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(33, 233, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 233, 7) }
```

Border

The CSS property to change the border of an element to XYZ 29.8045, 58.6165, 9.9443 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(33, 233, 7) }
```


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

```
.border{ border-color:rgb(33, 233, 7) }
```

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

Here you see how a box with a 4 pixel rgb(33, 233, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 233, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 233, 7);  
box-shadow:4px 4px 4px 4px rgb(33, 233, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.8045, 58.6165, 9.9443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 233, 7) }
```

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

```
.background{ background-color: rgb(33, 233,  
7) }
```

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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