

Converting Colors

XYZ(29.6797, 59.2310, 10.0033)

Have a look what the booklet for
XYZ(29.6797, 59.2310, 10.0033)
contains.

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Color

**XYZ(29.7983, 59.4599,
10.0500)**

Conversions

Conversions Part 1

Format	Color
Hex	05EB05
RGB	5, 235, 5
RGB Percent	2%, 92%, 2%
CMY	0.9804, 0.0784, 0.9803
CMYK	0.98, 0.00, 0.98, 0.08
HSL	120°, 96%, 47%
HSV	120°, 98%, 92%
XYZ	29.7983, 59.4599, 10.0500
YIQ	140.0100, -63.2500, -120.2900

Conversions

Conversions Part 2

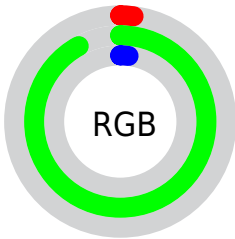
Format	Color
RYB	5, 235, 235
Decimal	387845
CIELab	81.54, -80.78, 77.79
CIELCh	82, 112.148, 136.079
Yxy	59.4599, 0.3001, 0.5987
Android (android.graphics.Color)	4278577925 (0xFF05EB05)
YUV	140.0100, -66.5599, -118.4038
Hunter-Lab	77.1102, -65.9638, 46.2497

Details

The XYZ color **29.7983, 59.4599, 10.0500** 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 **49.3073, 23.7677, 80.5615**, and the grayscale version is **25.2018, 26.5143, 28.8740**.

A 20% lighter version of the original color is **44.6334, 75.8861, 21.7463**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.7098, 59.4192, 9.9043**, and if you desaturate by 10%, it is **30.4182, 59.7594, 11.0637**.

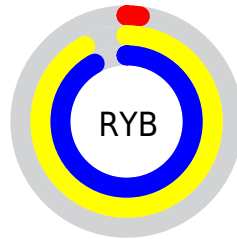
Distribution



Red (2%)

Green (92%)

Blue (2%)



Red (2%)

Yellow (92%)

Blue (92%)

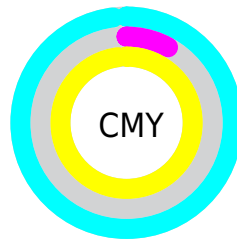


Cyan (98%)

Magenta (0%)

Yellow (98%)

Black (8%)



Cyan (98%)


Magenta (8%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7983, 59.4599, 10.0500 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 29.7983, 59.4599, 10.0500 by changing the saturation by 10% instead.


 29.7983, 59.4599,
10.0500


 29.7983, 59.4599,
10.0500


292.8899,
422.6041, 201.5263


 19.8329, 42.9834,
5.3261


 58.7319, 104.0458,
26.4988


 12.3812, 29.8721,
2.3778


 78.4307, 132.9240,
39.0607

 7.0779, 19.7416,
0.7743


 102.1047,
166.7049, 55.0725

 3.5576, 12.2073,
0.0000

 130.1193,
205.7730, 74.9525

 1.4550, 6.8850,
0.0000

 162.8397,
250.5125, 99.1193

 0.2949, 3.3903,
0.0000

 200.6314,

 0.0000, 1.3387,

301.3080, 127.9916

0.0000

243.8597,
358.5437, 161.9877

■ 0.0000, 0.1709,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.7983, 59.4599,
10.0500

■ 29.7983, 59.4599,
10.0500

■ 29.7098, 59.4192,
9.9043

■ 30.4182, 59.7594,
11.0637

■ 31.7461, 60.3973,
13.2367

■ 33.9384, 61.4503,
16.8234

■ 37.1082, 62.9729,
22.0088

■ 41.3515, 65.0112,
28.9499

■ 46.7530, 67.6058,
37.7850

■ 53.3888, 70.7933,
48.6386

■ 61.3285, 74.6072,
61.6247

■ 70.6367, 79.0785,
76.8487

Harmonies

Analogous

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



44.8923, 59.4599, 3.0017



29.7983, 59.4599, 10.0500



23.0035, 59.4599, 38.3134

Triad

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



29.7983, 59.4599, 10.0500



46.3179, 59.4599, 289.3759



112.0580, 59.4599, 35.0880

Complementary

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



29.7983, 59.4599, 10.0500



49.3073, 23.7677, 80.5615

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.



112.7551, 59.4599, 101.1682



29.7983, 59.4599, 10.0500



69.9879, 59.4599, 285.9644

Square

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



29.7983, 59.4599, 10.0500



30.5911, 59.4599, 210.0146



95.7482, 59.4599, 202.5482



94.0471, 59.4599, 9.0865

Rectangle

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



29.7983, 59.4599, 10.0500



22.4186, 59.4599, 79.4482



95.7482, 59.4599, 202.5482



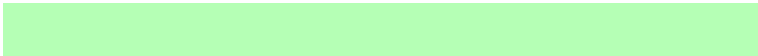
114.4658, 59.4599, 51.9722

Sweetspot

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



29.7997, 59.4624, 10.0513



63.1746, 84.6885, 56.7662



63.9993, 77.0929, 11.6508



12.7672, 17.7643, 10.9157



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.



29.7997, 59.4624, 10.0513



35.7602, 71.5201, 11.9212



33.1623, 60.8074, 27.7587



14.8685, 16.8622, 15.9903



16.5342, 33.0681, 5.5122



1.2984, 2.5967, 0.4330

Inverse Universe

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



49.3073, 23.7677, 80.5615



59.2835, 28.4774, 96.9455



37.7068, 19.1275, 19.4741



15.7148, 15.3138, 19.0493



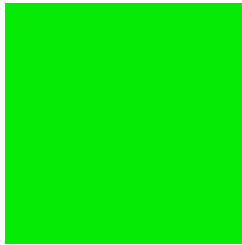
27.4104, 13.1669, 44.8242



2.1524, 1.0339, 3.5200

Previews

White Background



This preview shows how the XYZ color 29.7983, 59.4599, 10.0500 looks on a white background.

Color Contrast Check

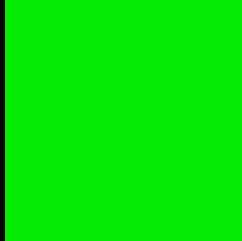
Large Text (above 18pt) WCAG AA × Fail

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 29.7983, 59.4599, 10.0500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

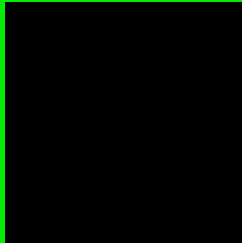
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7983, 59.4599, 10.0500

Background



This preview shows how black text looks on a background with the XYZ color 29.7983, 59.4599, 10.0500.



This preview shows how white text looks on a background with the XYZ color 29.7983, 59.4599,

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

29.7983, 59.4599, 10.0500

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

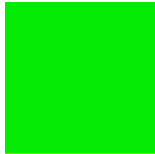
59.1559, 57.7614, 11.1632



Tritanopia

45.3573, 58.8516, 88.3258

Trichromacy



Original Color

29.7983, 59.4599, 10.0500



Protanomaly

35.6593, 53.7039, 8.5439



Deuteranomaly

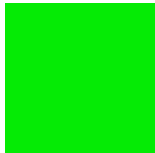
37.2603, 51.9395, 9.5749



Tritanomaly

34.5031, 56.7021, 38.8319

Monochromacy



Original Color

29.7983, 59.4599, 10.0500



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

21.5327, 33.6394, 15.2557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7983, 59.4599, 10.0500 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(5, 235, 5)` looks like.

```
.text, #text, p{  
    color:rgb(5, 235, 5)  
}
```

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(5, 235, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 235, 5) }
```

Border

The CSS property to change the border of an element to XYZ 29.7983, 59.4599, 10.0500 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(5, 235, 5) }
```


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

```
.border{ border-color:rgb(5, 235, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 235, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 235, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 235, 5); box-shadow:4px  
4px 4px 4px rgb(5, 235, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7983, 59.4599, 10.0500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 235, 5) }
```

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

```
.background{ background-color: rgb(5, 235,  
5) }
```

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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