

Converting Colors

XYZ(29.9494, 59.5359, 10.2940)

Have a look what the booklet for
XYZ(29.9494, 59.5359, 10.2940)
contains.

XYZ(29.9470, 59.5313, 10.2931)	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(29.9470, 59.5313,
10.2931)**

Conversions

Conversions Part 1

Format	Color
Hex	0DEB0D
RGB	13, 235, 13
RGB Percent	5%, 92%, 5%
CMY	0.9490, 0.0784, 0.9489
CMYK	0.94, 0.00, 0.94, 0.08
HSL	120°, 90%, 49%
HSV	120°, 94%, 92%
XYZ	29.9470, 59.5313, 10.2931
YIQ	143.3140, -61.0500, -116.1060

Conversions

Conversions Part 2

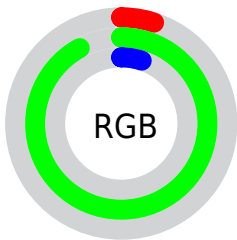
Format	Color
RYB	13, 235, 235
Decimal	912141
CIELab	81.58, -80.38, 77.14
CIElCh	82, 111.408, 136.180
Yxy	59.5313, 0.3002, 0.5967
Android (android.graphics.Color)	4279102221 (0xFF0DEB0D)
YUV	143.3140, -64.2448, -114.2854
Hunter-Lab	77.1565, -65.7422, 46.1000

Details

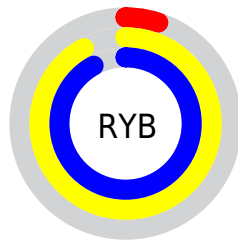
The XYZ color **29.9470, 59.5313, 10.2931** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **49.3988, 23.9478, 80.6007**, and the grayscale version is **26.5035, 27.8837, 30.3654**.

A 20% lighter version of the original color is **44.8508, 75.9883, 22.2009**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.7097, 59.4191, 9.9039**, and if you desaturate by 10%, it is **30.7813, 59.9339, 11.6575**.

Distribution



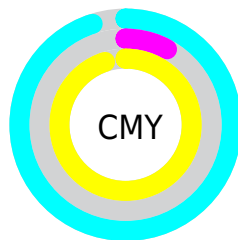
- Red (5%)
- Green (92%)
- Blue (5%)



- Red (5%)
- Yellow (92%)
- Blue (92%)



- Cyan (94%)
- Magenta (0%)
- Yellow (94%)
- Black (8%)





- Cyan (95%)
- Magenta (8%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9470, 59.5313, 10.2931 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 29.9470, 59.5313, 10.2931 by changing the saturation by 10% instead.


 29.9470, 59.5313,
10.2931


 29.9470, 59.5313,
10.2931


293.5716,
422.8680, 203.3116

 19.9462, 43.0410,
5.4856


 58.9656, 104.1495,
26.9617


 12.4640, 29.9173,
2.4712


 78.7141, 133.0461,
39.6599


 7.1350, 19.7758,
0.8248


 102.4425,
166.8469, 55.8255

 3.5937, 12.2322,
0.0000

 130.5163,
205.9363, 75.8768

 1.4750, 6.9020,
0.0000

 163.3007,
250.6987, 100.2326

 0.3087, 3.4009,
0.0000

 201.1612,

 0.0000, 1.3444,

301.5186, 129.3113

0.0000

244.4630,
358.7802, 163.5314

■ 0.0000, 0.1752,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.9470, 59.5313,
10.2931

■ 29.9470, 59.5313,
10.2931


■ 29.7097, 59.4191,
9.9039


■ 30.7813, 59.9339,
11.6575

■ 32.3895, 60.7063,
14.2886


■ 34.9030, 61.9137,
18.4005


■ 38.4284, 63.6071,
24.1672

 43.0573, 65.8306,
31.7387

 48.8711, 68.6232,
41.2482

 55.9436, 72.0205,
52.8162

 64.3426, 76.0550,
66.5537

 74.1310, 80.7570,
82.5635

Harmonies

Analogous

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



44.9557, 59.5313, 3.1276



29.9470, 59.5313, 10.2931



23.1898, 59.5313, 38.6704

Triad

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



29.9470, 59.5313, 10.2931



46.5083, 59.5313, 287.4892



111.6781, 59.5313, 35.1512

Complementary

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



29.9470, 59.5313, 10.2931



49.3988, 23.9478, 80.6007

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.



112.4343, 59.5313, 100.6983



29.9470, 59.5313, 10.2931



70.0592, 59.5313, 283.7984

Square

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



29.9470, 59.5313, 10.2931



30.8123, 59.5313, 209.1842



95.6178, 59.5313, 201.0981



93.7714, 59.5313, 9.2317

Rectangle

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



29.9470, 59.5313, 10.2931



22.6206, 59.5313, 79.6941



95.6178, 59.5313, 201.0981



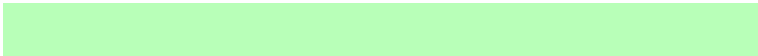
114.0863, 59.5313, 51.9214

Sweetspot

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



29.9484, 59.5338, 10.2944



64.0421, 85.1053, 58.1838



64.0445, 77.1110, 11.8893



12.9300, 17.8425, 11.1818



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.



29.9484, 59.5338, 10.2944



35.7602, 71.5201, 11.9208



33.5139, 60.9600, 29.0701



14.8685, 16.8622, 15.9902



16.5342, 33.0681, 5.5119



1.2984, 2.5967, 0.4329

Inverse Universe

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



49.3988, 23.9478, 80.6007



59.2855, 28.4782, 96.9562



38.0446, 19.4061, 20.8106



15.7148, 15.3138, 19.0494



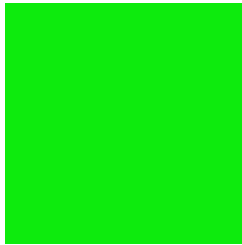
27.4114, 13.1672, 44.8290



2.1525, 1.0340, 3.5203

Previews

White Background



This preview shows how the XYZ color 29.9470, 59.5313, 10.2931 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 29.9470, 59.5313, 10.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

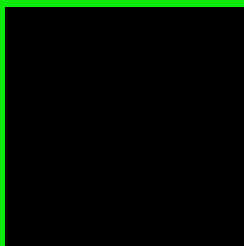
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9470, 59.5313, 10.2931

Background



This preview shows how black text looks on a background with the XYZ color 29.9470, 59.5313, 10.2931.

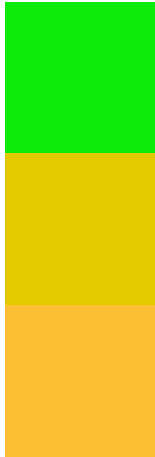


This preview shows how white text looks on a background with the XYZ color 29.9470, 59.5313,

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

29.9470, 59.5313, 10.2931

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

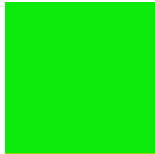
59.1782, 57.7703, 11.2806



Tritanopia

45.3573, 58.8516, 88.3258

Trichromacy



Original Color

29.9470, 59.5313, 10.2931



Protanomaly

36.2161, 53.9890, 8.6557



Deuteranomaly

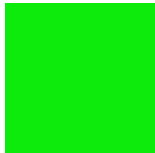
37.9382, 52.2819, 9.9256



Tritanomaly

34.9559, 56.9068, 40.1521

Monochromacy



Original Color

29.9470, 59.5313, 10.2931



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

22.4605, 34.3820, 16.5189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9470, 59.5313, 10.2931 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(13, 235, 13)` looks like.

```
.text, #text, p{  
    color:rgb(13, 235, 13)  
}
```

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(13, 235, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 235, 13) }
```

Border

The CSS property to change the border of an element to XYZ 29.9470, 59.5313, 10.2931 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(13, 235, 13) }
```


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

```
.border{ border-color:rgb(13, 235, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 235, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 235, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 235, 13);  
box-shadow:4px 4px 4px 4px rgb(13, 235,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9470, 59.5313, 10.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 235, 13) }
```

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

```
.background{ background-color: rgb(13, 235,  
13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor