

Converting Colors

XYZ(29.9833, 59.5717, 11.2121)

Have a look what the booklet for
XYZ(29.9833, 59.5717, 11.2121)
contains.

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Color

**XYZ(29.9557, 59.5156,
11.2052)**

Conversions

Conversions Part 1

Format	Color
Hex	00EB1F
RGB	0, 235, 31
RGB Percent	0%, 92%, 12%
CMY	1.0000, 0.0784, 0.8784
CMYK	1.00, 0.00, 0.87, 0.08
HSL	128°, 100%, 46%
HSV	128°, 100%, 92%
XYZ	29.9557, 59.5156, 11.2052
YIQ	141.4790, -74.5760, -113.2640

Conversions

Conversions Part 2

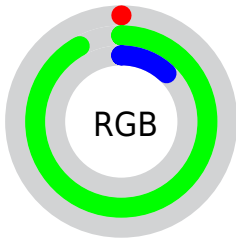
Format	Color
RYB	0, 208, 235
Decimal	60191
CIELab	81.57, -80.31, 74.51
CIELCh	82, 109.552, 137.148
Yxy	59.5156, 0.2975, 0.5912
Android (android.graphics.Color)	4278250271 (0xFF00EB1F)
YUV	141.4790, -54.4661, -124.0771
Hunter-Lab	77.1464, -65.6951, 45.3908

Details

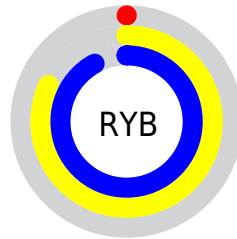
The XYZ color **29.9557, 59.5156, 11.2052** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **45.1608, 22.0224, 58.9940**, and the grayscale version is **25.7367, 27.0770, 29.4869**.

A 20% lighter version of the original color is **44.9516, 75.9983, 24.1043**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.9570, 59.5180, 11.2062**, and if you desaturate by 10%, it is **30.6813, 59.8499, 13.1151**.

Distribution



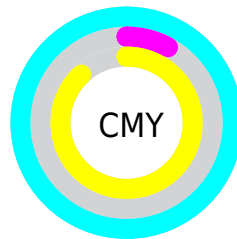
- Red (0%)
- Green (92%)
- Blue (12%)



- Red (0%)
- Yellow (82%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9557, 59.5156, 11.2052 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 29.9557, 59.5156, 11.2052 by changing the saturation by 10% instead.


 29.9557, 59.5156,
11.2052


 29.9557, 59.5156,
11.2052


293.6114,
422.8100, 209.8577

 19.9529, 43.0283,
6.0891


 58.9792, 104.1267,
28.6814

 12.4689, 29.9073,
2.8297


 78.7306, 133.0192,
41.8787


 7.1383, 19.7683,
1.0083


 102.4623,
166.8157, 58.6067

 3.5958, 12.2267,
0.0000

 130.5395,
205.9004, 79.2840

 1.4761, 6.8983,
0.0000

 163.3277,
250.6578, 104.3293

 0.3095, 3.3986,
0.0000

 201.1922,

 0.0000, 1.3432,

301.4723, 134.1610

0.0000

244.4983,
358.7282, 169.1976

■ 0.0000, 0.1743,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.9557, 59.5156,
11.2052

■ 29.9557, 59.5156,
11.2052

■ 29.9570, 59.5180,
11.2062

■ 30.6813, 59.8499,
13.1151

■ 32.0457, 60.4889,
16.0855

■ 34.2130, 61.5165,
20.2446

■ 37.2851, 62.9826,
25.7002

■ 41.3484, 64.9299,
32.5478

■ 46.4790, 67.3959,
40.8742

■ 52.7459, 70.4143,
50.7587

■ 60.2117, 74.0159,
62.2754

■ 68.9350, 78.2294,
75.4934

Harmonies

Analogous

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



44.5101, 59.5156, 3.4930



29.9557, 59.5156, 11.2052



23.4891, 59.5156, 40.5242

Triad

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



29.9557, 59.5156, 11.2052



47.2938, 59.5156, 283.1729



110.1927, 59.5156, 34.1846

Complementary

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



29.9557, 59.5156, 11.2052



45.1608, 22.0224, 58.9940

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.



111.5356, 59.5156, 97.2387



29.9557, 59.5156, 11.2052



70.6273, 59.5156, 276.6595

Square

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



29.9557, 59.5156, 11.2052



31.5154, 59.5156, 208.9704



95.5566, 59.5156, 194.6652



92.2721, 59.5156, 9.2491

Rectangle

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



29.9557, 59.5156, 11.2052



23.0665, 59.5156, 81.8654



95.5566, 59.5156, 194.6652



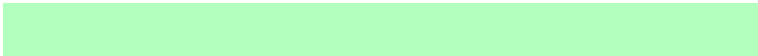
112.7412, 59.5156, 50.2921

Sweetspot

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



29.9571, 59.5181, 11.2065



63.3764, 84.7008, 60.9223



55.6061, 72.7692, 11.1153



12.8464, 17.7831, 11.9135



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.



29.9571, 59.5181, 11.2065



36.0437, 71.6335, 13.4139



34.8143, 61.4610, 36.7844



14.9492, 16.8945, 16.4155



16.6978, 33.1336, 6.3735



1.3370, 2.6121, 0.6366

Inverse Universe

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



45.1608, 22.0224, 58.9940



54.3380, 26.4992, 70.9033



36.1116, 18.4027, 11.3413



15.6243, 15.2776, 18.5729



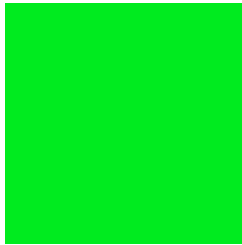
25.1672, 12.2696, 33.0116



2.0000, 0.9730, 2.7174

Previews

White Background



This preview shows how the XYZ color 29.9557, 59.5156, 11.2052 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 29.9557, 59.5156, 11.2052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

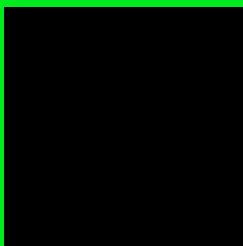
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

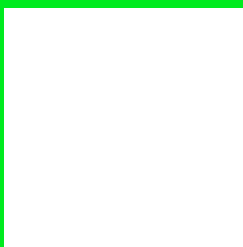
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9557, 59.5156, 11.2052

Background



This preview shows how black text looks on a background with the XYZ color 29.9557, 59.5156, 11.2052.



This preview shows how white text looks on a background with the XYZ color 29.9557, 59.5156,

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

29.9557, 59.5156, 11.2052

Protanopia

52.3769, 57.9925, 9.0949

Deuteranopia

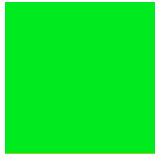
59.5394, 58.2625, 12.1107



Tritanopia

45.5088, 59.3158, 88.4074

Trichromacy



Original Color

29.9557, 59.5156, 11.2052



Protanomaly

35.4607, 53.5837, 9.3379



Deuteranomaly

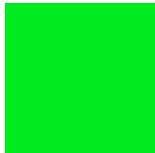
37.3435, 52.3126, 10.9254



Tritanomaly

35.3448, 57.4478, 42.9439

Monochromacy



Original Color

29.9557, 59.5156, 11.2052



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

21.8954, 33.7732, 17.6768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9557, 59.5156, 11.2052 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(0, 235, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 31)  
}
```

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(0, 235, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 31) }
```

Border

The CSS property to change the border of an element to XYZ 29.9557, 59.5156, 11.2052 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(0, 235, 31) }
```


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

```
.border{ border-color:rgb(0, 235, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.9557, 59.5156, 11.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 31) }
```

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

```
.background{ background-color: rgb(0, 235,  
31) }
```

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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