

Converting Colors

XYZ(30.3267, 59.8252, 10.8848)

Have a look what the booklet for
XYZ(30.3267, 59.8252, 10.8848)
contains.

XYZ(30.2605, 59.6810, 10.8444)	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(30.2605, 59.6810,
10.8444)**

Conversions

Conversions Part 1

Format	Color
Hex	18EB19
RGB	24, 235, 25
RGB Percent	9%, 92%, 10%
CMY	0.9059, 0.0784, 0.9019
CMYK	0.90, 0.00, 0.89, 0.08
HSL	120°, 84%, 51%
HSV	120°, 90%, 92%
XYZ	30.2605, 59.6810, 10.8444
YIQ	147.9710, -58.3460, -110.0420

Conversions

Conversions Part 2

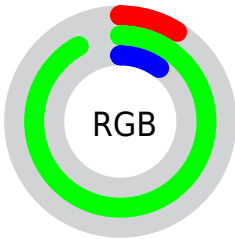
Format	Color
R _Y B	24, 234, 235
Decimal	1633049
CIE Lab	81.66, -79.55, 75.68
CIE LCh	82, 109.800, 136.429
Yxy	59.6810, 0.3002, 0.5922
Android (android.graphics.Color)	4279823129 (0xFF18EB19)
YUV	147.9710, -60.6247, -108.7226
Hunter-Lab	77.2535, -65.2744, 45.7546

Details

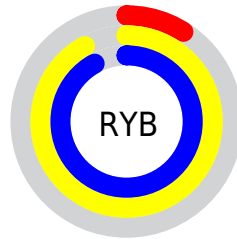
The XYZ color **30.2605, 59.6810, 10.8444** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **49.4388, 24.2561, 79.9102**, and the grayscale version is **28.4008, 29.8798, 32.5392**.

A 20% lighter version of the original color is **45.4791, 76.2865, 23.3941**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.7247, 59.4258, 9.9505**, and if you desaturate by 10%, it is **31.4470, 60.2521, 12.8126**.

Distribution



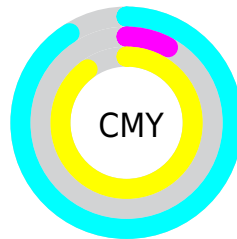
- Red (9%)
- Green (92%)
- Blue (10%)



- Red (9%)
- Yellow (92%)
- Blue (92%)



- Cyan (90%)
- Magenta (0%)
- Yellow (89%)
- Black (8%)





- Cyan (91%)
- Magenta (8%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2605, 59.6810, 10.8444 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 30.2605, 59.6810, 10.8444 by changing the saturation by 10% instead.


 30.2605, 59.6810,
10.8444


 30.2605, 59.6810,
10.8444


295.0049,
423.4209, 207.2959


 20.1855, 43.1616,
5.8494


 59.4577, 104.3668,
28.0043


 12.6390, 30.0119,
2.6864


 79.3106, 133.3019,
41.0064


 7.2557, 19.8476,
0.9366


 103.1534,
167.1444, 57.5145

 3.6703, 12.2843,
0.0000

 131.3516,
206.2786, 77.9473

 1.5173, 6.9376,
0.0000

 164.2705,
251.0890, 102.7233

 0.3376, 3.4231,
0.0000

 202.2754,

 0.0000, 1.3564,

301.9599, 132.2611

0.0000

245.7318,
359.2758, 166.9791

■ 0.0000, 0.1843,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.2605, 59.6810,
10.8444

■ 30.2605, 59.6810,
10.8444

■ 29.7247, 59.4258,
9.9505


■ 31.4470, 60.2521,
12.8126


■ 29.7157, 59.4215,
9.9358


■ 33.4712, 61.2239,
16.1486


■ 36.4511, 62.6549,
21.0416


■ 40.4850, 64.5923,
27.6503

 45.6589, 67.0776,
36.1138

 52.0501, 70.1479,
46.5569

 59.7290, 73.8370,
59.0937

 68.7607, 78.1762,
73.8295

 79.2059, 83.1947,
90.8627

Harmonies

Analogous

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



45.0746, 59.6810, 3.4145



30.2605, 59.6810, 10.8444



23.5930, 59.6810, 39.4851

Triad

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



30.2605, 59.6810, 10.8444



46.9342, 59.6810, 283.4295



110.8386, 59.6810, 35.2525

Complementary

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



30.2605, 59.6810, 10.8444



49.4388, 24.2561, 79.9102

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.



111.7366, 59.6810, 99.6079



30.2605, 59.6810, 10.8444



70.2276, 59.6810, 279.0713

Square

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



30.2605, 59.6810, 10.8444



31.3019, 59.6810, 207.4476



95.3440, 59.6810, 197.8785



93.1481, 59.6810, 9.5414

Rectangle

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



30.2605, 59.6810, 10.8444



23.0621, 59.6810, 80.2809



95.3440, 59.6810, 197.8785



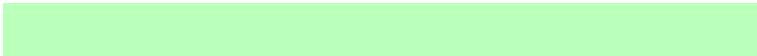
113.2522, 59.6810, 51.7626

Sweetspot

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



30.2619, 59.6835, 10.8457



64.9603, 85.5436, 59.8107



64.1367, 77.1478, 12.3749



13.2727, 18.0065, 11.7707



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.



30.2619, 59.6835, 10.8457



35.7667, 71.5227, 11.9554



34.0822, 61.2116, 30.9633



14.8713, 16.8633, 16.0052



16.5388, 33.0700, 5.5365



1.2997, 2.5972, 0.4402

Inverse Universe

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



49.4388, 24.2561, 79.9102



59.0932, 28.4013, 95.9436



38.5850, 19.9146, 22.7549



15.7116, 15.3125, 19.0323



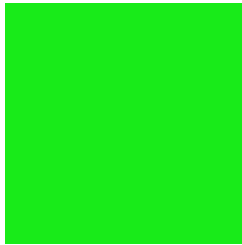
27.3243, 13.1324, 44.3706



2.1466, 1.0316, 3.4895

Previews

White Background



This preview shows how the XYZ color 30.2605, 59.6810, 10.8444 looks on a white background.

Color Contrast Check

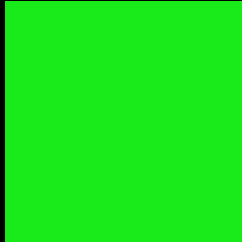
Large Text (above 18pt) WCAG AA × Fail

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 30.2605, 59.6810, 10.8444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

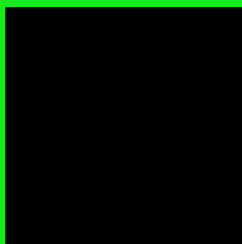
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

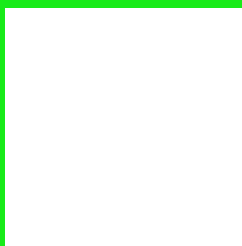
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2605, 59.6810, 10.8444

Background



This preview shows how black text looks on a background with the XYZ color 30.2605, 59.6810, 10.8444.



This preview shows how white text looks on a background with the XYZ color 30.2605, 59.6810,

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

30.2605, 59.6810, 10.8444

Protanopia

52.6090, 58.1217, 8.6755

Deuteranopia

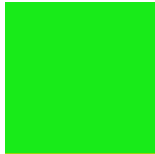
59.4895, 58.2426, 11.8479



Tritanopia

45.7274, 59.4285, 88.4176

Trichromacy



Original Color

30.2605, 59.6810, 10.8444



Protanomaly

37.0104, 54.3925, 8.9636



Deuteranomaly

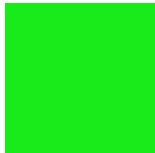
39.1487, 53.2501, 10.6976



Tritanomaly

35.8557, 57.7313, 42.0544

Monochromacy



Original Color

30.2605, 59.6810, 10.8444



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.3630, 36.5054, 18.5941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2605, 59.6810, 10.8444 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(24, 235, 25)` looks like.

```
.text, #text, p{  
    color:rgb(24, 235, 25)  
}
```

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(24, 235, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 235, 25) }
```

Border

The CSS property to change the border of an element to XYZ 30.2605, 59.6810, 10.8444 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(24, 235, 25) }
```


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

```
.border{ border-color:rgb(24, 235, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 235, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 235, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 235, 25);  
box-shadow:4px 4px 4px 4px rgb(24, 235,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2605, 59.6810, 10.8444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 235, 25) }
```

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

```
.background{ background-color: rgb(24, 235,  
25) }
```

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