

Converting Colors

XYZ(30.5225, 59.5936, 13.2058)

Have a look what the booklet for
XYZ(30.5225, 59.5936, 13.2058)
contains.

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Color

**XYZ(30.6394, 59.8224,
13.3002)**

Conversions

Conversions Part 1

Format	Color
Hex	14EB35
RGB	20, 235, 53
RGB Percent	8%, 92%, 21%
CMY	0.9216, 0.0784, 0.7921
CMYK	0.91, 0.00, 0.77, 0.08
HSL	129°, 84%, 50%
HSV	129°, 91%, 92%
XYZ	30.6394, 59.8224, 13.3002
YIQ	149.9670, -69.7180, -102.1820

Conversions

Conversions Part 2

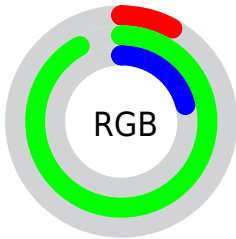
Format	Color
RYB	20, 206, 235
Decimal	1370933
CIELab	81.74, -78.47, 69.29
CIELCh	82, 104.677, 138.555
Yxy	59.8224, 0.2953, 0.5765
Android (android.graphics.Color)	4279561013 (0xFF14EB35)
YUV	149.9670, -47.8047, -113.9811
Hunter-Lab	77.3449, -64.6427, 43.9460

Details

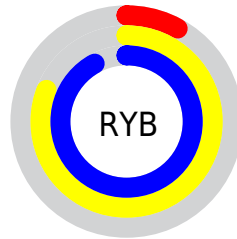
The XYZ color **30.6394, 59.8224, 13.3002** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **45.1728, 22.4273, 57.8231**, and the grayscale version is **29.1945, 30.7149, 33.4486**.

A 20% lighter version of the original color is **46.0768, 76.4942, 27.9591**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **30.0291, 59.5469, 11.5863**, and if you desaturate by 10%, it is **31.9262, 60.4232, 16.2662**.

Distribution



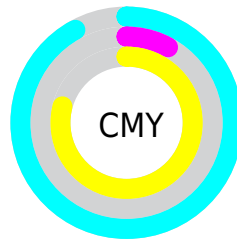
- Red (8%)
- Green (92%)
- Blue (21%)



- Red (8%)
- Yellow (81%)
- Blue (92%)



- Cyan (91%)
- Magenta (0%)
- Yellow (77%)
- Black (8%)





- Cyan (92%)
- Magenta (8%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6394, 59.8224, 13.3002 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 30.6394, 59.8224, 13.3002 by changing the saturation by 10% instead.


 30.6394, 59.8224,
13.3002


 30.6394, 59.8224,
13.3002


296.7302,
423.9428, 224.1077


 20.4749, 43.2755,
7.5024


 60.0516, 104.5720,
32.5411


 12.8510, 30.1013,
3.6951


 80.0300, 133.5435,
46.8214


 7.4023, 19.9155,
1.4596


 104.0104,
167.4253, 64.7662

 3.7635, 12.3336,
0.1876

 132.3582,
206.6018, 86.7941

 1.5692, 6.9713,
0.0000

 165.4388,
251.4574, 113.3237

 0.3722, 3.4442,
0.0000

203.6174,

 0.0000, 1.3678,

302.3765, 144.7734

0.0000

247.2594,
359.7435, 181.5619

■ 0.0000, 0.1928,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.6394, 59.8224,
13.3002

■ 30.6394, 59.8224,
13.3002


■ 30.0291, 59.5469,
11.5863


■ 31.9262, 60.4232,
16.2662


■ 33.9910, 61.3990,
20.3677


■ 36.9379, 62.8031,
25.7056


■ 40.8538, 64.6784,
32.3689

 45.8148, 67.0624,
40.4381

 51.8894, 69.9890,
49.9875

 59.1404, 73.4888,
61.0859

 67.6255, 77.5905,
73.7981

 77.3989, 82.3205,
88.1850

Harmonies

Analogous

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



44.4107, 59.8224, 4.5266



30.6394, 59.8224, 13.3002



24.6144, 59.8224, 43.8987

Triad

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



30.6394, 59.8224, 13.3002



48.8577, 59.8224, 271.2286



107.2457, 59.8224, 33.6426

Complementary

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



30.6394, 59.8224, 13.3002



45.1728, 22.4273, 57.8231

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.



109.3361, 59.8224, 92.3109



30.6394, 59.8224, 13.3002



71.4409, 59.8224, 261.2682

Square

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



30.6394, 59.8224, 13.3002



33.1673, 59.8224, 205.0622



94.9134, 59.8224, 183.0354



89.7784, 59.8224, 9.9399

Rectangle

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



30.6394, 59.8224, 13.3002



24.4027, 59.8224, 84.9137



94.9134, 59.8224, 183.0354



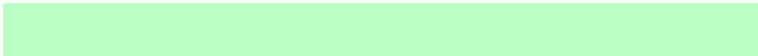
109.9109, 59.8224, 48.6964

Sweetspot

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



30.6408, 59.8249, 13.3016



66.0921, 85.9963, 65.7707



54.3973, 72.1315, 11.7176



13.5308, 18.1097, 13.1299



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.



30.6408, 59.8249, 13.3016



36.1287, 71.6675, 13.8614



36.3216, 62.0972, 43.2161



14.9626, 16.8999, 16.4858



16.7412, 33.1509, 6.6022



1.3434, 2.6147, 0.6700

Inverse Universe

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



45.1728, 22.4273, 57.8231



53.6156, 26.2102, 67.0988



36.5895, 18.9940, 12.6243



15.6096, 15.2717, 18.4957



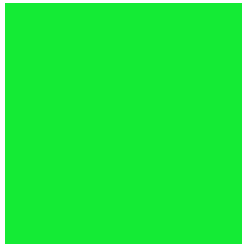
24.8386, 12.1381, 31.2813



1.9773, 0.9639, 2.5978

Previews

White Background



This preview shows how the XYZ color 30.6394, 59.8224, 13.3002 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 30.6394, 59.8224, 13.3002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

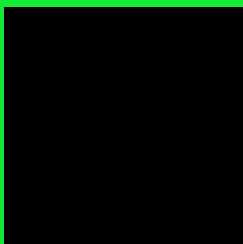
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6394, 59.8224, 13.3002

Background



This preview shows how black text looks on a background with the XYZ color 30.6394, 59.8224, 13.3002.



This preview shows how white text looks on a background with the XYZ color 30.6394, 59.8224,

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

30.6394, 59.8224, 13.3002

Protanopia

52.9392, 58.5917, 10.9020

Deuteranopia

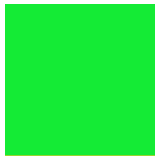
59.5842, 58.2387, 14.2317



Tritanopia

45.7632, 59.4301, 89.1799

Trichromacy



Original Color

30.6394, 59.8224, 13.3002



Protanomaly

37.3222, 54.8777, 11.3147



Deuteranomaly

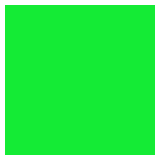
39.2033, 53.2228, 13.2078



Tritanomaly

36.7067, 58.0548, 47.3013

Monochromacy



Original Color

30.6394, 59.8224, 13.3002



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.2119, 37.1691, 22.0652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6394, 59.8224, 13.3002 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(20, 235, 53)` looks like.

```
.text, #text, p{  
    color:rgb(20, 235, 53)  
}
```

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(20, 235, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 235, 53) }
```

Border

The CSS property to change the border of an element to XYZ 30.6394, 59.8224, 13.3002 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(20, 235, 53) }
```


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

```
.border{ border-color:rgb(20, 235, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 235, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 235, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 235, 53);  
box-shadow:4px 4px 4px 4px rgb(20, 235,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6394, 59.8224, 13.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 235, 53) }
```

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

```
.background{ background-color: rgb(20, 235,  
53) }
```

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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