

Converting Colors

XYZ(30.3114, 59.4749, 13.6429)

Have a look what the booklet for
XYZ(30.3114, 59.4749, 13.6429)
contains.

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Color

**XYZ(30.4221, 59.7022,
13.6616)**

Conversions

Conversions Part 1

Format	Color
Hex	00EB38
RGB	0, 235, 56
RGB Percent	0%, 92%, 22%
CMY	1.0000, 0.0784, 0.7804
CMYK	1.00, 0.00, 0.76, 0.08
HSL	134°, 100%, 46%
HSV	134°, 100%, 92%
XYZ	30.4221, 59.7022, 13.6616
YIQ	144.3290, -82.6010, -105.4890

Conversions

Conversions Part 2

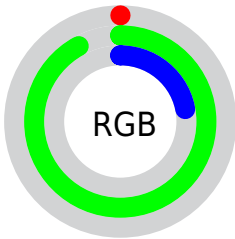
Format	Color
RYB	0, 190, 235
Decimal	60216
CIELab	81.68, -79.00, 68.28
CIELCh	82, 104.416, 139.161
Yxy	59.7022, 0.2931, 0.5752
Android (android.graphics.Color)	4278250296 (0xFF00EB38)
YUV	144.3290, -43.5462, -126.5765
Hunter-Lab	77.2672, -64.9375, 43.6040

Details

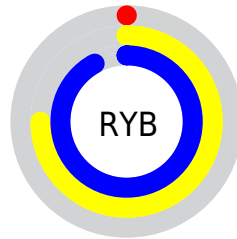
The XYZ color **30.4221, 59.7022, 13.6616** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **42.3987, 20.9174, 44.4492**, and the grayscale version is **26.8375, 28.2351, 30.7481**.

A 20% lighter version of the original color is **45.6646, 76.2685, 28.5342**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **30.4235, 59.7047, 13.6630**, and if you desaturate by 10%, it is **31.3074, 60.1004, 16.4126**.

Distribution



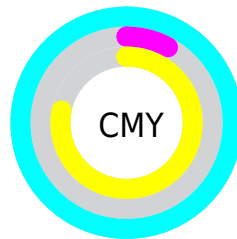
- Red (0%)
- Green (92%)
- Blue (22%)



- Red (0%)
- Yellow (75%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4221, 59.7022, 13.6616 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 30.4221, 59.7022, 13.6616 by changing the saturation by 10% instead.

■ 30.4221, 59.7022,
13.6616

■ 30.4221, 59.7022,
13.6616

295.7417,
423.4992, 226.4701

■ 20.3089, 43.1786,
7.7496

■ 59.7111, 104.3976,
33.1958

■ 12.7293, 30.0253,
3.8497

■ 79.6176, 133.3381,
47.6551

■ 7.3181, 19.8578,
1.5433

■ 103.5192,
167.1865, 65.8006

■ 3.7099, 12.2917,
0.2498

■ 131.7813,
206.3271, 88.0509

■ 1.5394, 6.9427,
0.0000

■ 164.7693,
251.1443, 114.8244

■ 0.3524, 3.4263,
0.0000

202.8484,

■ 0.0000, 1.3581,

302.0224, 146.5398

0.0000

246.3841,
359.3459, 183.6155

■ 0.0000, 0.1855,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.4221, 59.7022,
13.6616

■ 30.4221, 59.7022,
13.6616


■ 30.4235, 59.7047,
13.6630

■ 31.3074, 60.1004,
16.4126

■ 32.8052, 60.7928,
20.0861


■ 35.0701, 61.8593,
24.7598


■ 38.1962, 63.3470,
30.5004

 42.2632, 65.2958,
37.3688

 47.3417, 67.7409,
45.4212

 53.4952, 70.7139,
54.7100

 60.7820, 74.2439,
65.2845

 69.2561, 78.3577,
77.1913

Harmonies

Analogous

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



43.9851, 59.7022, 4.6236



30.4221, 59.7022, 13.6616



24.5590, 59.7022, 44.8154

Triad

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



30.4221, 59.7022, 13.6616



49.1701, 59.7022, 270.7614



106.6986, 59.7022, 32.8474

Complementary

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



30.4221, 59.7022, 13.6616



42.3987, 20.9174, 44.4492

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.



109.1326, 59.7022, 90.4982



30.4221, 59.7022, 13.6616



71.7612, 59.7022, 259.1744

Square

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



30.4221, 59.7022, 13.6616



33.3716, 59.7022, 206.1028



95.0546, 59.7022, 180.4690



89.0742, 59.7022, 9.7285

Rectangle

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



30.4221, 59.7022, 13.6616



24.4363, 59.7022, 86.2187



95.0546, 59.7022, 180.4690



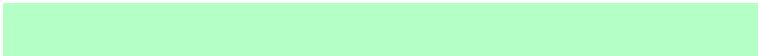
109.4650, 59.7022, 47.5929

Sweetspot

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



30.4235, 59.7047, 13.6630



64.2824, 85.0632, 65.6931



48.5715, 69.1428, 10.7859



13.0545, 17.8663, 13.0097



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.



30.4235, 59.7047, 13.6630



36.5962, 71.8545, 16.3233



37.1883, 62.4106, 49.2858



15.0155, 16.9210, 16.7643



16.9728, 33.2436, 7.8219



1.3694, 2.6251, 0.8073

Inverse Universe

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



42.3987, 20.9174, 44.4492



51.0032, 25.1653, 53.3422



35.1503, 18.0181, 6.2793



15.5524, 15.2488, 18.1942



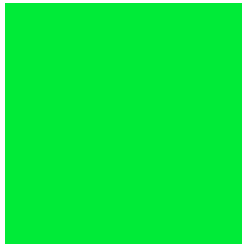
23.6481, 11.6619, 25.0120



1.8938, 0.9305, 2.1582

Previews

White Background



This preview shows how the XYZ color 30.4221, 59.7022, 13.6616 looks on a white background.

Color Contrast Check

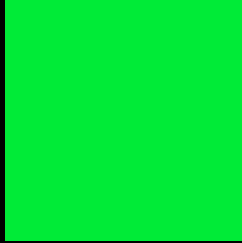
Large Text (above 18pt) WCAG AA × Fail

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 30.4221, 59.7022, 13.6616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

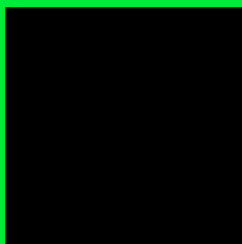
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4221, 59.7022, 13.6616

Background



This preview shows how black text looks on a background with the XYZ color 30.4221, 59.7022, 13.6616.

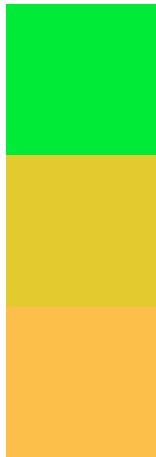


This preview shows how white text looks on a background with the XYZ color 30.4221, 59.7022,

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

30.4221, 59.7022, 13.6616

Protanopia

52.9977, 58.6150, 11.2099

Deuteranopia

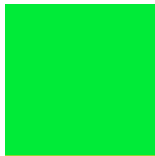
59.6505, 58.2652, 14.5810



Tritanopia

45.5473, 59.3188, 89.1698

Trichromacy



Original Color

30.4221, 59.7022, 13.6616



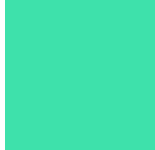
Protanomaly

36.1239, 54.2527, 11.5855



Deuteranomaly

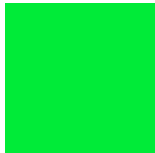
37.8231, 52.5045, 13.4511



Tritanomaly

36.2625, 57.8148, 47.7762

Monochromacy



Original Color

30.4221, 59.7022, 13.6616



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.0604, 34.8894, 20.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4221, 59.7022, 13.6616 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 56) }
```

Border

The CSS property to change the border of an element to XYZ 30.4221, 59.7022, 13.6616 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, 56) }
```


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

```
.border{ border-color:rgb(0, 235, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.4221, 59.7022, 13.6616 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, 56) }
```

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

```
.background{ background-color: rgb(0, 235,  
56) }
```

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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