

Converting Colors

XYZ(31.2790, 60.0031, 18.3028)

Have a look what the booklet for
XYZ(31.2790, 60.0031, 18.3028)
contains.

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Color

**XYZ(31.3086, 60.0568,
18.3295)**

Conversions

Conversions Part 1

Format	Color
Hex	00EB54
RGB	0, 235, 84
RGB Percent	0%, 92%, 33%
CMY	1.0000, 0.0784, 0.6706
CMYK	1.00, 0.00, 0.64, 0.08
HSL	141°, 100%, 46%
HSV	141°, 100%, 92%
XYZ	31.3086, 60.0568, 18.3295
YIQ	147.5210, -91.5890, -96.7810

Conversions

Conversions Part 2

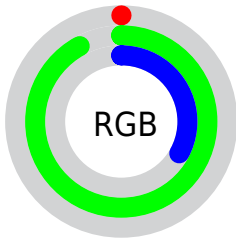
Format	Color
RYB	0, 173, 235
Decimal	60244
CIELab	81.87, -76.54, 58.31
CIElCh	82, 96.217, 142.699
Yxy	60.0568, 0.2854, 0.5475
Android (android.graphics.Color)	4278250324 (0xFF00EB54)
YUV	147.5210, -31.3159, -129.3759
Hunter-Lab	77.4963, -63.5044, 40.2241

Details

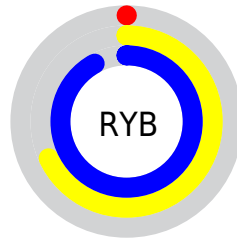
The XYZ color **31.3086, 60.0568, 18.3295** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **39.8489, 19.8977, 31.0217**, and the grayscale version is **28.1044, 29.5680, 32.1995**.

A 20% lighter version of the original color is **47.1023, 76.8288, 36.7730**, and **15.8768, 31.5061, 6.0551** is the 20% darker color. If you saturate the color by 10%, you get **31.3097, 60.0591, 18.3298**, and if you desaturate by 10%, it is **32.3318, 60.5101, 21.8063**.

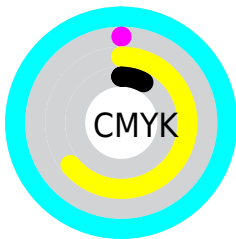
Distribution



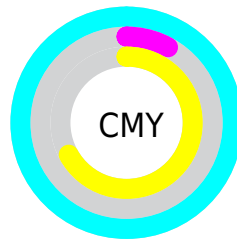
- Red (0%)
- Green (92%)
- Blue (33%)



- Red (0%)
- Yellow (68%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3086, 60.0568, 18.3295 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 31.3086, 60.0568, 18.3295 by changing the saturation by 10% instead.

31.3086, 60.0568,
18.3295

31.3086, 60.0568,
18.3295

299.7591,
424.8071, 255.0200

20.9869, 43.4644,
11.0149

61.0981, 104.9121,
41.4195

13.2269, 30.2497,
5.9626

81.2967, 133.9437,
58.0320

7.6630, 20.0282,
2.7539

105.5183,
167.8906, 78.5809

3.9301, 12.4155,
0.9704

134.1283,
207.1371, 103.4847

1.6626, 7.0273,
0.0000

167.4920,
252.0676, 133.1619

0.4327, 3.4792,
0.0000

205.9748,

0.0000, 1.3867,

303.0665, 168.0312

0.0000

249.9421,
360.5182, 208.5110

■ 0.0000, 0.2069,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3086, 60.0568,
18.3295

■ 31.3086, 60.0568,
18.3295

■ 31.3097, 60.0591,
18.3298

■ 32.3318, 60.5101,
21.8063

■ 33.9312, 61.2432,
26.0138

■ 36.2550, 62.3333,
30.9964

■ 39.3918, 63.8253,
36.7921

■ 43.4165, 65.7572,
43.4362

■ 48.3952, 68.1624,
50.9616

■ 54.3874, 71.0710,
59.3996

■ 61.4477, 74.5104,
68.7798

■ 69.6266, 78.5061,
79.1304

Harmonies

Analogous

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



43.2975, 60.0568, 6.9619



31.3086, 60.0568, 18.3295



26.4440, 60.0568, 52.1812

Triad

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



31.3086, 60.0568, 18.3295



52.2610, 60.0568, 250.9316



101.2296, 60.0568, 31.0272

Complementary

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



31.3086, 60.0568, 18.3295



39.8489, 19.8977, 31.0217

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.



105.2500, 60.0568, 80.6624



31.3086, 60.0568, 18.3295



73.5200, 60.0568, 232.3944

Square

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



31.3086, 60.0568, 18.3295



36.5334, 60.0568, 200.8357



94.1299, 60.0568, 159.3024



84.1743, 60.0568, 10.6684

Rectangle

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



31.3086, 60.0568, 18.3295



26.8283, 60.0568, 93.1930



94.1299, 60.0568, 159.3024



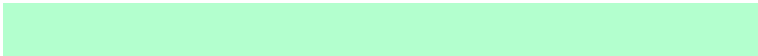
104.2925, 60.0568, 43.7550

Sweetspot

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



31.3100, 60.0593, 18.3309



65.3567, 85.4929, 71.3503



42.8003, 66.1676, 10.5160



13.3040, 17.9661, 14.3235



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.



31.3100, 60.0593, 18.3309



37.6547, 72.2779, 21.8972



40.1063, 63.5778, 64.6513



15.0908, 16.9511, 17.1607



17.4799, 33.4464, 10.4923



1.4171, 2.6441, 1.0581

Inverse Universe

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



39.8489, 19.8977, 31.0217



47.9276, 23.9350, 37.1464



34.5696, 17.7859, 3.2212



15.4730, 15.2171, 17.7761



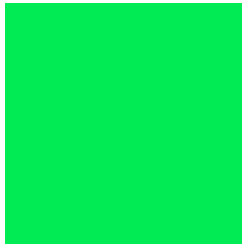
22.2397, 11.0986, 17.5957



1.7920, 0.8897, 1.6218

Previews

White Background



This preview shows how the XYZ color 31.3086, 60.0568, 18.3295 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 31.3086, 60.0568, 18.3295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

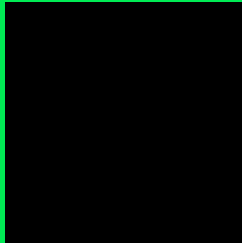
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3086, 60.0568, 18.3295

Background



This preview shows how black text looks on a background with the XYZ color 31.3086, 60.0568, 18.3295.



This preview shows how white text looks on a background with the XYZ color 31.3086, 60.0568,

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

31.3086, 60.0568, 18.3295

Protanopia

53.4419, 58.7566, 15.1811

Deuteranopia

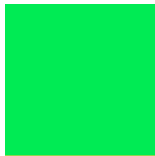
60.0742, 58.7021, 19.4736



Tritanopia

45.7451, 59.7923, 90.0190

Trichromacy



Original Color

31.3086, 60.0568, 18.3295



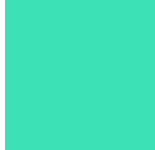
Protanomaly

36.7494, 54.4828, 15.7871



Deuteranomaly

38.5882, 53.1536, 18.3511



Tritanomaly

37.2322, 58.1885, 53.5251

Monochromacy



Original Color

31.3086, 60.0568, 18.3295



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.6390, 36.5029, 25.1492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3086, 60.0568, 18.3295 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 84) }
```

Border

The CSS property to change the border of an element to XYZ 31.3086, 60.0568, 18.3295 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, 84) }
```


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

```
.border{ border-color:rgb(0, 235, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.3086, 60.0568, 18.3295 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, 84) }
```

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

```
.background{ background-color: rgb(0, 235,  
84) }
```

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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