

Converting Colors

XYZ(31.1967, 62.1936, 11.0147)

Have a look what the booklet for
XYZ(31.1967, 62.1936, 11.0147)
contains.

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Color

**XYZ(31.2864, 62.3707,
11.0516)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00F014 |
| RGB | 0, 240, 20 |
| RGB Percent | 0%, 94%, 8% |
| CMY | 1.0000, 0.0588, 0.9215 |
| CMYK | 1.00, 0.00, 0.92, 0.06 |
| HSL | 125°, 100%, 47% |
| HSV | 125°, 100%, 94% |
| XYZ | 31.2864, 62.3707, 11.0516 |
| YIQ | 143.1600, -72.4200, -119.3000 |

Conversions

Conversions Part 2

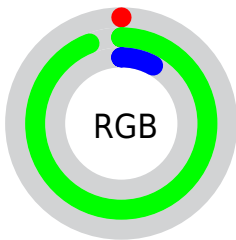
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 222, 240 |
| Decimal | 61460 |
| CIELab | 83.11, -81.97, 77.59 |
| CIELCh | 83, 112.865, 136.573 |
| Yxy | 62.3707, 0.2988, 0.5957 |
| Android (android.graphics.Color) | 4278251540 (0xFF00F014) |
| YUV | 143.1600, -60.7179, -125.5513 |
| Hunter-Lab | 78.9751, -67.4928, 46.9857 |

Details

The XYZ color **31.2864, 62.3707, 11.0516** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **48.8533, 23.6928, 69.7001**, and the grayscale version is **26.4309, 27.8074, 30.2823**.

A 20% lighter version of the original color is **45.0280, 76.0592, 23.1342**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **31.2878, 62.3732, 11.0528**, and if you desaturate by 10%, it is **31.9564, 62.6842, 12.6073**.

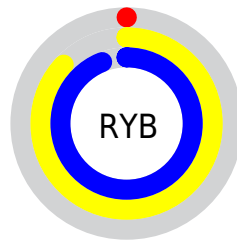
Distribution



Red (0%)

Green (94%)

Blue (8%)



Red (0%)

Yellow (87%)

Blue (94%)

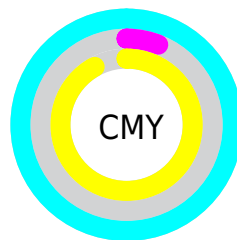


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (6%)



Cyan (100%)


Magenta (6%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2864, 62.3707, 11.0516 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 31.2864, 62.3707, 11.0516 by changing the saturation by 10% instead.


 31.2864, 62.3707,
11.0516


 31.2864, 62.3707,
11.0516


299.6590,
433.2820, 208.7713

 20.9699, 45.3323,
5.9869


 61.0635, 108.2611,
28.3937


 13.2144, 31.7192,
2.7685

 81.2548, 137.8819,
41.5081


 7.6543, 21.1471,
0.9777


 105.4684,
172.4657, 58.1430

 3.9245, 13.2316,
0.0000

 134.0698,
212.3967, 78.7167

 1.6595, 7.5882,
0.0000

 167.4241,
258.0595, 103.6478

 0.4307, 3.8326,
0.0000

 205.8969,

 0.0000, 1.5804,

309.8383, 133.3550

0.0000

249.8534,
368.1177, 168.2566

■ 0.0000, 0.3443,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.2864, 62.3707,
11.0516

■ 31.2864, 62.3707,
11.0516


■ 31.2878, 62.3732,
11.0528


■ 31.9564, 62.6842,
12.6073


■ 33.3065, 63.3216,
15.3201


■ 35.5147, 64.3728,
19.3611


■ 38.6935, 65.8929,
24.8710

 42.9383, 67.9283,
31.9727

 48.3328, 70.5201,
40.7759

 54.9526, 73.7048,
51.3808

 62.8666, 77.5162,
63.8798

 72.1389, 81.9854,
78.3590

Harmonies

Analogous

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



46.8637, 62.3707, 3.3555



31.2864, 62.3707, 11.0516



24.3180, 62.3707, 41.2123

Triad

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



31.2864, 62.3707, 11.0516



49.0269, 62.3707, 300.8910



116.6815, 62.3707, 36.3049

Complementary

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



31.2864, 62.3707, 11.0516



48.8533, 23.6928, 69.7001

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.



117.7335, 62.3707, 104.1940



31.2864, 62.3707, 11.0516



73.7193, 62.3707, 295.7611

Square

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



31.2864, 62.3707, 11.0516



32.4931, 62.3707, 220.0136



100.3715, 62.3707, 208.7704



97.8020, 62.3707, 9.5661

Rectangle

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



31.2864, 62.3707, 11.0516



23.7835, 62.3707, 84.5095



100.3715, 62.3707, 208.7704



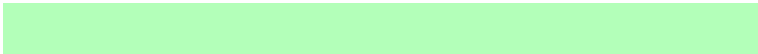
119.2812, 62.3707, 53.6422

Sweetspot

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



31.2878, 62.3733, 11.0530



62.9794, 84.5420, 58.8315



60.6779, 77.5390, 11.7686



12.7559, 17.7469, 11.4370



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.



31.2878, 62.3733, 11.0530



35.8978, 71.5751, 12.6459



35.8953, 64.2163, 35.3157



15.6194, 17.6778, 17.0187



17.1460, 34.1504, 6.1517



1.4447, 2.8483, 0.6080

Inverse Universe

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



48.8533, 23.6928, 69.7001



56.0529, 27.1852, 79.9337



38.2371, 19.4463, 13.7959



16.3941, 16.0073, 19.6314



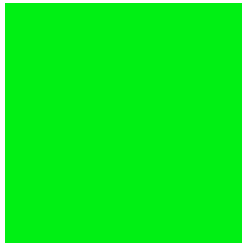
26.7662, 12.9789, 38.2808



2.2434, 1.0864, 3.2723

Previews

White Background



This preview shows how the XYZ color 31.2864, 62.3707, 11.0516 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 31.2864, 62.3707, 11.0516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

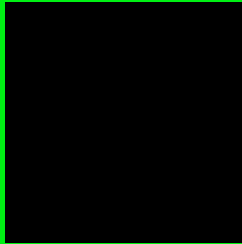
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2864, 62.3707, 11.0516

Background



This preview shows how black text looks on a background with the XYZ color 31.2864, 62.3707, 11.0516.



This preview shows how white text looks on a background with the XYZ color 31.2864, 62.3707,

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

31.2864, 62.3707, 11.0516

Protanopia

55.0263, 61.1315, 8.8994

Deuteranopia

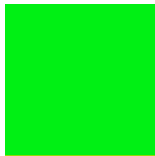
61.9911, 60.7846, 14.9439



Tritanopia

47.6317, 61.8929, 92.6552

Trichromacy



Original Color

31.2864, 62.3707, 11.0516



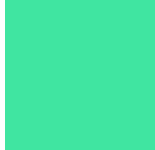
Protanomaly

37.1424, 56.3612, 9.1222



Deuteranomaly

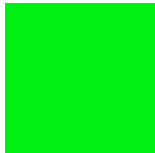
38.8604, 54.5363, 11.9684



Tritanomaly

36.5667, 59.7018, 43.3146

Monochromacy



Original Color

31.2864, 62.3707, 11.0516



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

22.4394, 34.9468, 17.1180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2864, 62.3707, 11.0516 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, 240, 20)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 20)  
}
```

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, 240, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 20) }
```

Border

The CSS property to change the border of an element to XYZ 31.2864, 62.3707, 11.0516 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, 240, 20) }
```


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

```
.border{ border-color:rgb(0, 240, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 20);  
box-shadow:4px 4px 4px 4px rgb(0, 240, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.2864, 62.3707, 11.0516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 20) }
```

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

```
.background{ background-color: rgb(0, 240,  
20) }
```

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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