

Converting Colors

XYZ(32.0275, 63.7336, 11.6669)

Have a look what the booklet for
XYZ(32.0275, 63.7336, 11.6669)
contains.

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Color

**XYZ(31.9500, 63.5834,
11.6258)**

Conversions

Conversions Part 1

Format	Color
Hex	00F21B
RGB	0, 242, 27
RGB Percent	0%, 95%, 11%
CMY	1.0000, 0.0510, 0.8941
CMYK	1.00, 0.00, 0.89, 0.05
HSL	127°, 100%, 47%
HSV	127°, 100%, 95%
XYZ	31.9500, 63.5834, 11.6258
YIQ	145.1320, -75.2170, -118.1690

Conversions

Conversions Part 2

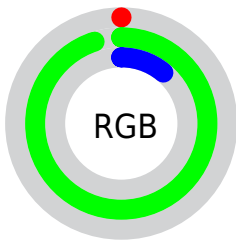
Format	Color
RYB	0, 218, 242
Decimal	61979
CIELab	83.75, -82.30, 77.10
CIELCh	84, 112.768, 136.868
Yxy	63.5834, 0.2982, 0.5934
Android (android.graphics.Color)	4278252059 (0xFF00F21B)
YUV	145.1320, -58.2391, -127.2808
Hunter-Lab	79.7392, -68.0220, 47.1731

Details

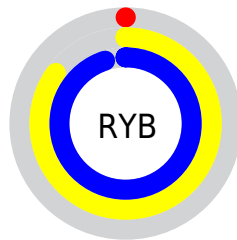
The XYZ color **31.9500, 63.5834, 11.6258** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **48.8842, 23.7840, 66.2992**, and the grayscale version is **27.2213, 28.6389, 31.1878**.

A 20% lighter version of the original color is **45.1671, 76.1148, 23.8664**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **31.9514, 63.5860, 11.6270**, and if you desaturate by 10%, it is **32.6792, 63.9212, 13.4681**.

Distribution



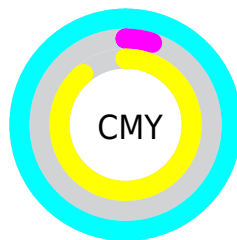
- Red (0%)
- Green (95%)
- Blue (11%)



- Red (0%)
- Yellow (85%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (89%)
- Black (5%)



- Cyan (100%)
- Magenta (5%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9500, 63.5834, 11.6258 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 31.9500, 63.5834, 11.6258 by changing the saturation by 10% instead.

■ 31.9500, 63.5834,
11.6258

■ 31.9500, 63.5834,
11.6258

302.6408,
437.6837, 212.8012

■ 21.4787, 46.3133,
6.3700

■ 62.0984, 110.0107,
29.4658

■ 13.5888, 32.4932,
2.9989

■ 82.5062, 139.9368,
42.8872

■ 7.9150, 21.7385,
1.0941

■ 106.9569,
174.8503, 59.8674

■ 4.0920, 13.6648,
0.0000

■ 135.8158,
215.1357, 80.8251

■ 1.7543, 7.8879,
0.0000

■ 169.4483,
261.1774, 106.1788

■ 0.4899, 4.0233,
0.0000

■ 208.2197,

■ 0.0000, 1.6866,

313.3596, 136.3470

0.0000

252.4954,
372.0669, 171.7483

■ 0.0000, 0.4150,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.9500, 63.5834,
11.6258

■ 31.9500, 63.5834,
11.6258

■ 31.9514, 63.5860,
11.6270

■ 32.6792, 63.9212,
13.4681

■ 34.0975, 64.5875,
16.4663

■ 36.3819, 65.6722,
20.7727

■ 39.6439, 67.2301,
26.5140

■ 43.9784, 69.3078,
33.8020

■ 49.4688, 71.9461,
42.7374

■ 56.1900, 75.1817,
53.4125

■ 64.2111, 79.0483,
65.9125

■ 73.5955, 83.5771,
80.3174

Harmonies

Analogous

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



47.6596, 63.5834, 3.5785



31.9500, 63.5834, 11.6258



24.9466, 63.5834, 42.6707

Triad

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



31.9500, 63.5834, 11.6258



50.2613, 63.5834, 304.5714



118.3183, 63.5834, 36.7568

Complementary

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



31.9500, 63.5834, 11.6258



48.8842, 23.7840, 66.2992

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.



119.5783, 63.5834, 105.0114



31.9500, 63.5834, 11.6258



75.3088, 63.5834, 298.4441

Square

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



31.9500, 63.5834, 11.6258



33.4046, 63.5834, 223.7613



102.2030, 63.5834, 210.3176



99.1232, 63.5834, 9.8179

Rectangle

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



31.9500, 63.5834, 11.6258



24.4496, 63.5834, 86.8267



102.2030, 63.5834, 210.3176



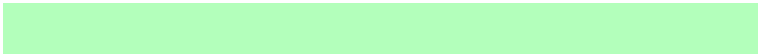
121.0062, 63.5834, 54.1901

Sweetspot

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



31.9515, 63.5860, 11.6272



63.2088, 84.6338, 60.0400



60.6084, 78.3821, 11.9350



12.8081, 17.7678, 11.7121



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.



31.9515, 63.5860, 11.6272



35.9752, 71.6061, 13.0532



36.8801, 65.5575, 37.5809



15.6376, 17.6851, 17.1147



17.1882, 34.1673, 6.3741



1.4533, 2.8518, 0.6537

Inverse Universe

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



48.8842, 23.7840, 66.2992



55.0413, 26.7805, 74.6067



38.7680, 19.7375, 13.0280



16.3738, 15.9992, 19.5247



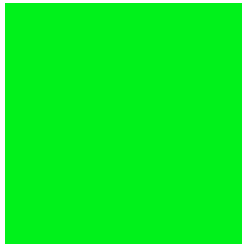
26.2919, 12.7892, 35.7833



2.2087, 1.0725, 3.0899

Previews

White Background



This preview shows how the XYZ color 31.9500, 63.5834, 11.6258 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 31.9500, 63.5834, 11.6258 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

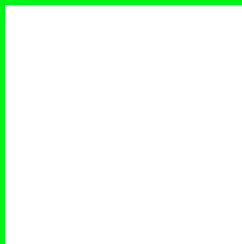
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9500, 63.5834, 11.6258

Background



This preview shows how black text looks on a background with the XYZ color 31.9500, 63.5834, 11.6258.

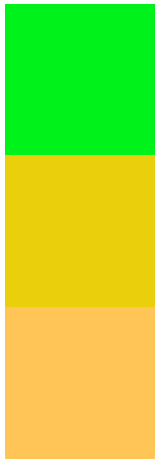


This preview shows how white text looks on a background with the XYZ color 31.9500, 63.5834,

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

31.9500, 63.5834, 11.6258

Protanopia

55.9835, 61.9758, 9.3597

Deuteranopia

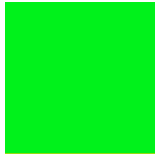
62.9266, 61.8806, 17.6444



Tritanopia

48.4697, 63.0882, 94.4166

Trichromacy



Original Color

31.9500, 63.5834, 11.6258



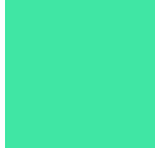
Protanomaly

37.9071, 57.5228, 9.6354



Deuteranomaly

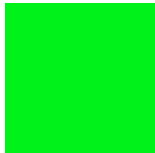
39.6487, 55.6515, 13.6531



Tritanomaly

37.3911, 60.9222, 44.9104

Monochromacy



Original Color

31.9500, 63.5834, 11.6258



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.1332, 35.8771, 18.2761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9500, 63.5834, 11.6258 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, 242, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 27)  
}
```

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, 242, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 27) }
```

Border

The CSS property to change the border of an element to XYZ 31.9500, 63.5834, 11.6258 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, 242, 27) }
```


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

```
.border{ border-color:rgb(0, 242, 27) }
```

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

Here you see how a box with a 4 pixel rgb(0, 242, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 242, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.9500, 63.5834, 11.6258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 27) }
```

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

```
.background{ background-color: rgb(0, 242,  
27) }
```

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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