

Converting Colors

XYZ(33.9250, 67.7770, 11.5332)

Have a look what the booklet for
XYZ(33.9250, 67.7770, 11.5332)
contains.

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Color

**XYZ(33.9195, 67.7689,
11.5227)**

Conversions

Conversions Part 1

Format	Color
Hex	00F908
RGB	0, 249, 8
RGB Percent	0%, 98%, 3%
CMY	1.0000, 0.0235, 0.9685
CMYK	1.00, 0.00, 0.97, 0.02
HSL	122°, 100%, 49%
HSV	122°, 100%, 98%
XYZ	33.9195, 67.7689, 11.5227
YIQ	147.0750, -71.0430, -127.7390

Conversions

Conversions Part 2

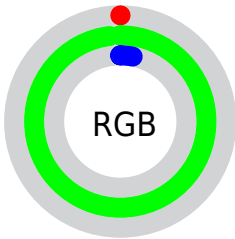
Format	Color
RYB	0, 241, 249
Decimal	63752
CIELab	85.89, -84.53, 81.07
CIELCh	86, 117.123, 136.195
Yxy	67.7689, 0.2996, 0.5986
Android (android.graphics.Color)	4278253832 (0xFF00F908)
YUV	147.0750, -68.5640, -128.9848
Hunter-Lab	82.3219, -70.5150, 49.3264

Details

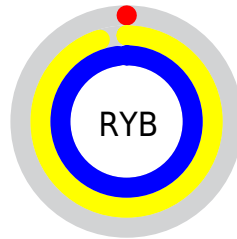
The XYZ color **33.9195, 67.7689, 11.5227** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **54.9408, 26.4895, 85.4106**, and the grayscale version is **28.0633, 29.5247, 32.1524**.

A 20% lighter version of the original color is **45.2070, 76.1619, 22.6740**, and **18.6308, 37.2616, 6.2103** is the 20% darker color. If you saturate the color by 10%, you get **33.9211, 67.7717, 11.5242**, and if you desaturate by 10%, it is **34.5380, 68.0645, 12.6935**.

Distribution



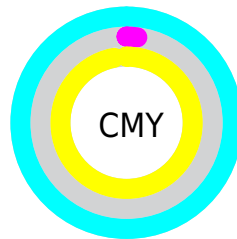
- Red (0%)
- Green (98%)
- Blue (3%)



- Red (0%)
- Yellow (95%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9195, 67.7689, 11.5227 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 33.9195, 67.7689, 11.5227 by changing the saturation by 10% instead.


 33.9195, 67.7689,
11.5227


 33.9195, 67.7689,
11.5227

311.3652,
452.6768, 212.0838


 22.9944, 49.7097,
6.3010


 65.1536, 116.0215,
29.2740

 14.7100, 35.1828,
2.9572


 86.1932, 146.9837,
42.6408


 8.7011, 23.8037,
1.0728


 111.3351,
183.0157, 59.5596

 4.6023, 15.1881,
0.0000

 140.9446,
224.5019, 80.4490

 2.0482, 8.9515,
0.0000

 175.3869,
271.8268, 105.7276

 0.6608, 4.7096,
0.0000

 215.0276,

 0.0000, 2.0779,

325.3746, 135.8139

0.0000

260.2319,
385.5298, 171.1265

■ 0.0000, 0.6521,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.9195, 67.7689,
11.5227

■ 33.9195, 67.7689,
11.5227

■ 33.9211, 67.7717,
11.5242

■ 34.5380, 68.0645,
12.6935

■ 35.9021, 68.7150,
15.1421

■ 38.2155, 69.8220,
19.1158

■ 41.6089, 71.4489,
24.8080

■ 46.1927, 73.6490,
32.3834

■ 52.0633, 76.4689,
41.9876

■ 59.3076, 79.9506,
53.7520

■ 68.0047, 84.1322,
67.7968

■ 78.2278, 89.0492,
84.2334

Harmonies

Analogous

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



51.0816, 67.7689, 3.4355



33.9195, 67.7689, 11.5227



26.2094, 67.7689, 43.8781

Triad

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



33.9195, 67.7689, 11.5227



52.8818, 67.7689, 329.9355



127.6564, 67.7689, 39.8048

Complementary

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



33.9195, 67.7689, 11.5227



54.9408, 26.4895, 85.4106

Split Complementary

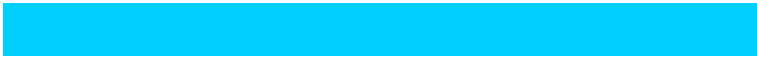
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



128.5364, 67.7689, 114.9041



33.9195, 67.7689, 11.5227



79.8813, 67.7689, 325.6286

Square

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



33.9195, 67.7689, 11.5227



34.9207, 67.7689, 239.7747



109.2215, 67.7689, 230.3480



107.0737, 67.7689, 10.3055

Rectangle

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



33.9195, 67.7689, 11.5227



25.5627, 67.7689, 90.8899



109.2215, 67.7689, 230.3480



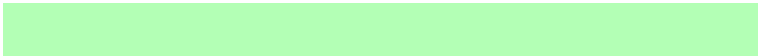
130.4280, 67.7689, 58.9797

Sweetspot

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



33.9211, 67.7717, 11.5242



62.5724, 84.3792, 56.6884



71.4824, 87.1404, 13.0523



12.6636, 17.7100, 10.9511



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.



33.9211, 67.7717, 11.5242



35.8051, 71.5380, 12.1575



37.8164, 69.3299, 32.0368



17.0401, 19.3183, 18.4117



18.1665, 36.2796, 6.2201



1.6903, 3.3632, 0.6168

Inverse Universe

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



54.9408, 26.4895, 85.4106



57.9929, 27.9612, 90.1495



42.4801, 21.5052, 19.7935



17.9674, 17.5143, 21.6842



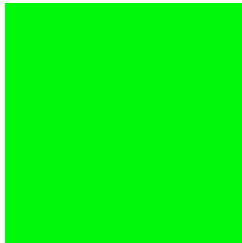
29.4185, 14.1831, 45.7739



2.7321, 1.3166, 4.2784

Previews

White Background



This preview shows how the XYZ color 33.9195, 67.7689, 11.5227 looks on a white background.

Color Contrast Check

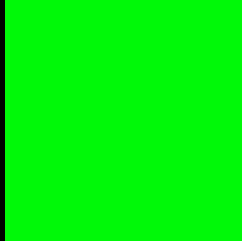
Large Text (above 18pt) WCAG AA × Fail

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 33.9195, 67.7689, 11.5227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

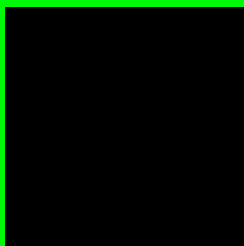
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9195, 67.7689, 11.5227

Background



This preview shows how black text looks on a background with the XYZ color 33.9195, 67.7689, 11.5227.

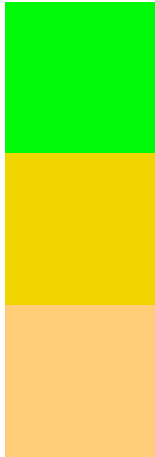


This preview shows how white text looks on a background with the XYZ color 33.9195, 67.7689,

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

33.9195, 67.7689, 11.5227

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

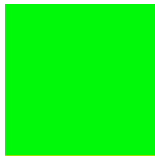
66.4615, 66.2787, 27.0595



Tritanopia

51.5402, 66.9970, 100.6577

Trichromacy



Original Color

33.9195, 67.7689, 11.5227



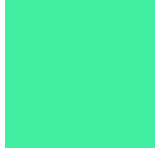
Protanomaly

40.3497, 61.1716, 9.7668



Deuteranomaly

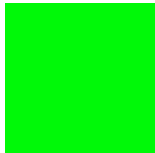
42.1680, 59.9588, 16.7479



Tritanomaly

39.3429, 64.9160, 44.6389

Monochromacy



Original Color

33.9195, 67.7689, 11.5227



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

23.8679, 37.5052, 17.0476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9195, 67.7689, 11.5227 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, 249, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 8)  
}
```

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, 249, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 8) }
```

Border

The CSS property to change the border of an element to XYZ 33.9195, 67.7689, 11.5227 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, 249, 8) }
```


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

```
.border{ border-color:rgb(0, 249, 8) }
```

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

Here you see how a box with a 4 pixel rgb(0, 249, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 249, 8); box-shadow:4px  
4px 4px 4px rgb(0, 249, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9195, 67.7689, 11.5227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 8) }
```

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

```
.background{ background-color: rgb(0, 249,  
8) }
```

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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