

Converting Colors

XYZ(34.9563, 69.9064, 11.6683)

Have a look what the booklet for
XYZ(34.9563, 69.9064, 11.6683)
contains.

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Color

**XYZ(34.8159, 69.6230,
11.6323)**

Conversions

Conversions Part 1

Format	Color
Hex	00FC01
RGB	0, 252, 1
RGB Percent	0%, 99%, 0%
CMY	1.0000, 0.0117, 0.9959
CMYK	1.00, 0.00, 1.00, 0.01
HSL	120°, 100%, 49%
HSV	120°, 100%, 99%
XYZ	34.8159, 69.6230, 11.6323
YIQ	148.0380, -69.6210, -131.4850

Conversions

Conversions Part 2

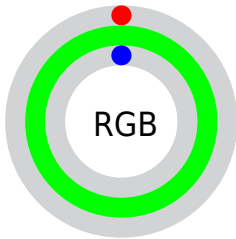
Format	Color
RYB	0, 251, 252
Decimal	64513
CIELab	86.81, -85.40, 82.36
CIELCh	87, 118.645, 136.038
Yxy	69.6230, 0.3000, 0.5998
Android (android.graphics.Color)	4278254593 (0xFF00FC01)
YUV	148.0380, -72.4897, -129.8293
Hunter-Lab	83.4404, -71.5407, 50.1427

Details

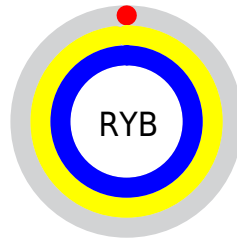
The XYZ color **34.8159, 69.6230, 11.6323** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **57.5542, 27.6594, 93.5465**, and the grayscale version is **28.4816, 29.9648, 32.6317**.

A 20% lighter version of the original color is **45.2995, 76.2146, 22.4486**, and **19.0700, 38.1399, 6.3567** is the 20% darker color. If you saturate the color by 10%, you get **34.8175, 69.6259, 11.6338**, and if you desaturate by 10%, it is **35.4057, 69.9080, 12.6127**.

Distribution



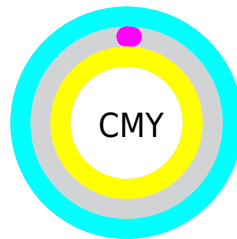
- Red (0%)
- Green (99%)
- Blue (0%)



- Red (0%)
- Yellow (98%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8159, 69.6230, 11.6323 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 34.8159, 69.6230, 11.6323 by changing the saturation by 10% instead.


 34.8159, 69.6230,
11.6323


 34.8159, 69.6230,
11.6323


315.2773,
459.2252, 212.8464


 23.6869, 51.2192,
6.3743


 66.5364, 118.6710,
29.4779


 15.2250, 36.3831,
3.0016


 87.8586, 150.0840,
42.9027


 9.0648, 24.7302,
1.0954


 113.3093,
186.6022, 59.8868

 4.8409, 15.8762,
0.0000

 143.2538,
228.6100, 80.8488

 2.1880, 9.4366,
0.0000

 178.0575,
276.4918, 106.2072

 0.7364, 5.0270,
0.0000

 218.0858,

 0.0000, 2.2631,

330.6320, 136.3806

0.0000

263.7039,
391.4150, 171.7874

■ 0.0000, 0.7541,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8159, 69.6230,
11.6323

■ 34.8159, 69.6230,
11.6323

■ 34.8175, 69.6259,
11.6338

■ 35.4057, 69.9080,
12.6127

■ 36.7498, 70.5531,
14.8400

■ 39.0768, 71.6703,
18.6717

■ 42.5266, 73.3269,
24.3336

■ 47.2163, 75.5794,
32.0155

■ 53.2487, 78.4771,
41.8835

■ 60.7156, 82.0640,
54.0866

■ 69.7009, 86.3806,
68.7605

■ 80.2819, 91.4641,
86.0307

Harmonies

Analogous

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



52.5499, 69.6230, 3.4413



34.8159, 69.6230, 11.6323



26.8351, 69.6230, 44.6919

Triad

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



34.8159, 69.6230, 11.6323



54.1609, 69.6230, 340.2583



131.5279, 69.6230, 41.0507

Complementary

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



34.8159, 69.6230, 11.6323



57.5542, 27.6594, 93.5465

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.



132.3172, 69.6230, 118.7860



34.8159, 69.6230, 11.6323



81.9715, 69.6230, 336.3897

Square

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



34.8159, 69.6230, 11.6323



35.7107, 69.6230, 246.6395



112.2787, 69.6230, 238.1771



110.3530, 69.6230, 10.5502

Rectangle

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



34.8159, 69.6230, 11.6323



26.1424, 69.6230, 92.9725



112.2787, 69.6230, 238.1771



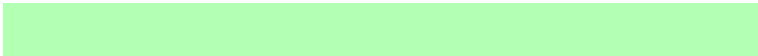
134.3519, 69.6230, 60.8972

Sweetspot

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



34.8175, 69.6259, 11.6339



62.3530, 84.2914, 55.5330



74.9583, 90.3199, 13.4828



12.6141, 17.6902, 10.6902



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.



34.8175, 69.6259, 11.6339



35.7657, 71.5223, 11.9502



38.5779, 71.1301, 31.4360



17.0203, 19.3104, 18.3077



18.1374, 36.2680, 6.0667



1.6808, 3.3594, 0.5671

Inverse Universe

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



57.5542, 27.6594, 93.5465



59.1217, 28.4127, 96.0939



43.9126, 22.2028, 21.7109



17.9899, 17.5233, 21.8023



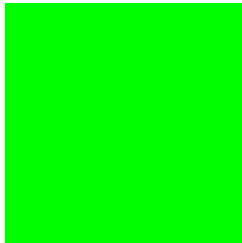
29.9809, 14.4081, 48.7352



2.7777, 1.3348, 4.5189

Previews

White Background



This preview shows how the XYZ color 34.8159, 69.6230, 11.6323 looks on a white background.

Color Contrast Check

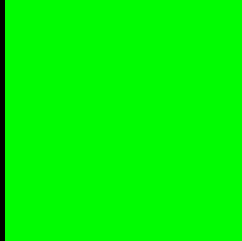
Large Text (above 18pt) WCAG AA × Fail

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 34.8159, 69.6230, 11.6323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

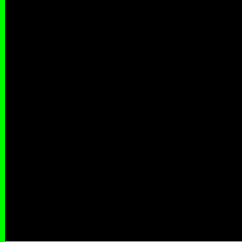
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

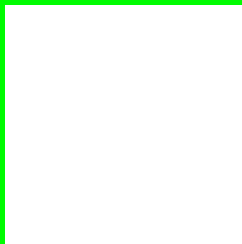
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8159, 69.6230, 11.6323

Background



This preview shows how black text looks on a background with the XYZ color 34.8159, 69.6230, 11.6323.



This preview shows how white text looks on a background with the XYZ color 34.8159, 69.6230,

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

34.8159, 69.6230, 11.6323

Protanopia

61.5180, 68.1664, 9.9151

Deuteranopia

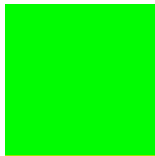
67.9607, 68.0377, 31.3805



Tritanopia

53.0963, 69.0017, 103.4487

Trichromacy



Original Color

34.8159, 69.6230, 11.6323



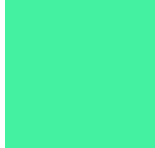
Protanomaly

41.5369, 63.0072, 9.9724



Deuteranomaly

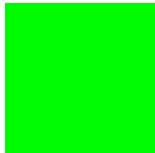
43.1562, 61.6328, 18.0093



Tritanomaly

40.2031, 66.6771, 44.4693

Monochromacy



Original Color

34.8159, 69.6230, 11.6323



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.2406, 38.3237, 16.9461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8159, 69.6230, 11.6323 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, 252, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 1)  
}
```

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, 252, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 1) }
```

Border

The CSS property to change the border of an element to XYZ 34.8159, 69.6230, 11.6323 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, 252, 1) }
```


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

```
.border{ border-color:rgb(0, 252, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 252, 1); box-shadow:4px  
4px 4px 4px rgb(0, 252, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8159, 69.6230, 11.6323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 1) }
```

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

```
.background{ background-color: rgb(0, 252,  
1) }
```

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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