

Converting Colors

XYZ(35.0420, 69.9398, 12.1251)

Have a look what the booklet for
XYZ(35.0420, 69.9398, 12.1251)
contains.

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Color

**XYZ(34.9039, 69.6582,
12.0960)**

Conversions

Conversions Part 1

Format	Color
Hex	00FC10
RGB	0, 252, 16
RGB Percent	0%, 99%, 6%
CMY	1.0000, 0.0117, 0.9371
CMYK	1.00, 0.00, 0.94, 0.01
HSL	124°, 100%, 49%
HSV	124°, 100%, 99%
XYZ	34.9039, 69.6582, 12.0960
YIQ	149.7480, -74.4360, -126.8200

Conversions

Conversions Part 2

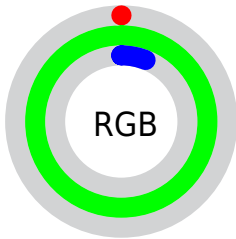
Format	Color
RYB	0, 237, 252
Decimal	64528
CIELab	86.83, -85.17, 81.15
CIELCh	87, 117.641, 136.387
Yxy	69.6582, 0.2992, 0.5971
Android (android.graphics.Color)	4278254608 (0xFF00FC10)
YUV	149.7480, -65.9378, -131.3290
Hunter-Lab	83.4615, -71.4083, 49.8302

Details

The XYZ color **34.9039, 69.6582, 12.0960** 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 **55.2833, 26.7510, 81.5880**, and the grayscale version is **29.1785, 30.6981, 33.4302**.

A 20% lighter version of the original color is **45.4333, 76.2682, 23.1531**, and **19.0700, 38.1399, 6.3567** is the 20% darker color. If you saturate the color by 10%, you get **34.9055, 69.6611, 12.0976**, and if you desaturate by 10%, it is **35.5943, 69.9835, 13.6065**.

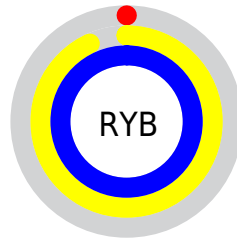
Distribution



Red (0%)

Green (99%)

Blue (6%)



Red (0%)

Yellow (93%)

Blue (99%)

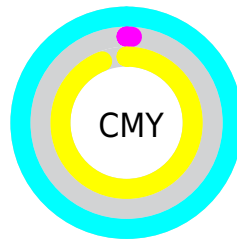


Cyan (100%)

Magenta (0%)

Yellow (94%)

Black (1%)



Cyan (100%)


Magenta (1%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9039, 69.6582, 12.0960 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 34.9039, 69.6582, 12.0960 by changing the saturation by 10% instead.


 34.9039, 69.6582,
12.0960


 34.9039, 69.6582,
12.0960


315.6594,
459.3490, 216.0402


 23.7550, 51.2479,
6.6858


 66.6719, 118.7212,
30.3368

 15.2757, 36.4060,
3.1909


 88.0217, 150.1427,
44.0045


 9.1007, 24.7479,
1.1929


 113.5025,
186.6701, 61.2618

 4.8646, 15.8893,
0.0000

 143.4797,
228.6878, 82.5271

 2.2020, 9.4459,
0.0000

 178.3186,
276.5801, 108.2191

 0.7438, 5.0331,
0.0000

 218.3847,

 0.0000, 2.2667,

330.7315, 138.7562

0.0000

264.0431,
391.5263, 174.5571

■ 0.0000, 0.7560,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.9039, 69.6582,
12.0960

■ 34.9039, 69.6582,
12.0960


■ 34.9055, 69.6611,
12.0976


■ 35.5943, 69.9835,
13.6065


■ 37.0505, 70.6733,
16.4241


■ 39.4737, 71.8290,
20.7626


■ 42.9938, 73.5138,
26.7953

 47.7206, 75.7811,
34.6724

 53.7503, 78.6777,
44.5273

 61.1698, 82.2457,
56.4811

 70.0582, 86.5235,
70.6453

 80.4887, 91.5467,
87.1234

Harmonies

Analogous

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



52.4207, 69.6582, 3.6401



34.9039, 69.6582, 12.0960



27.0512, 69.6582, 45.5714

Triad

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



34.9039, 69.6582, 12.0960



54.5591, 69.6582, 337.5646



130.7571, 69.6582, 40.7265

Complementary

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



34.9039, 69.6582, 12.0960



55.2833, 26.7510, 81.5880

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.



131.7997, 69.6582, 117.2198



34.9039, 69.6582, 12.0960



82.2228, 69.6582, 332.4715

Square

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



34.9039, 69.6582, 12.0960



36.0950, 69.6582, 246.0860



112.1819, 69.6582, 234.9310



109.6364, 69.6582, 10.6387

Rectangle

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



34.9039, 69.6582, 12.0960



26.4209, 69.6582, 93.9123



112.1819, 69.6582, 234.9310



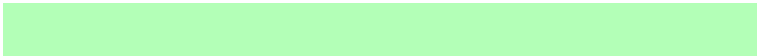
133.6339, 69.6582, 60.2592

Sweetspot

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



34.9055, 69.6611, 12.0976



62.8204, 84.4784, 57.9946



70.5450, 88.0448, 13.2762



12.7198, 17.7324, 11.2469



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.



34.9055, 69.6611, 12.0976



35.8552, 71.5581, 12.4212



39.4430, 71.4761, 35.9915



17.0621, 19.3271, 18.5278



18.1995, 36.2928, 6.3939



1.7008, 3.3674, 0.6721

Inverse Universe

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



55.2833, 26.7510, 81.5880



56.7876, 27.4790, 83.8025



43.1498, 21.8976, 17.6941



17.9426, 17.5044, 21.5533



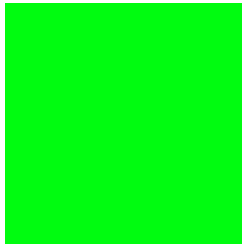
28.8176, 13.9428, 42.6095



2.6830, 1.2969, 4.0201

Previews

White Background



This preview shows how the XYZ color 34.9039, 69.6582, 12.0960 looks on a white background.

Color Contrast Check

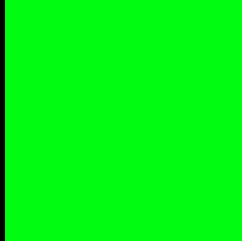
Large Text (above 18pt) WCAG AA × Fail

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 34.9039, 69.6582, 12.0960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

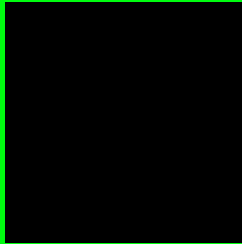
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

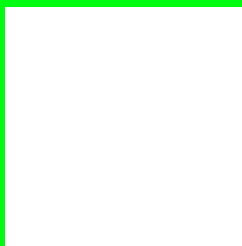
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9039, 69.6582, 12.0960

Background



This preview shows how black text looks on a background with the XYZ color 34.9039, 69.6582, 12.0960.



This preview shows how white text looks on a background with the XYZ color 34.9039, 69.6582,

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

34.9039, 69.6582, 12.0960

Protanopia

61.5180, 68.1664, 9.9151

Deuteranopia

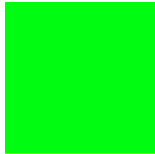
67.9607, 68.0377, 31.3805



Tritanopia

53.0963, 69.0017, 103.4487

Trichromacy



Original Color

34.9039, 69.6582, 12.0960



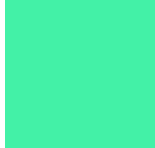
Protanomaly

41.5698, 63.0203, 10.1455



Deuteranomaly

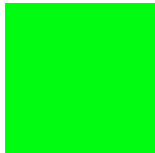
43.4014, 61.7309, 19.3006



Tritanomaly

40.7451, 66.8939, 47.3235

Monochromacy



Original Color

34.9039, 69.6582, 12.0960



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

24.8386, 38.9131, 18.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9039, 69.6582, 12.0960 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 16) }
```

Border

The CSS property to change the border of an element to XYZ 34.9039, 69.6582, 12.0960 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, 16) }
```


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

```
.border{ border-color:rgb(0, 252, 16) }
```

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, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 16);  
box-shadow:4px 4px 4px 4px rgb(0, 252, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.9039, 69.6582, 12.0960 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, 16) }
```

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

```
.background{ background-color: rgb(0, 252,  
16) }
```

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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