

# Converting Colors

XYZ(35.0029, 69.8480, 11.6372)

Have a look what the booklet for  
XYZ(35.0029, 69.8480, 11.6372)  
contains.

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# Color

**XYZ(34.9105, 69.6724,  
11.6082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	08FC00
RGB	8, 252, 0
RGB Percent	3%, 99%, 0%
CMY	0.9686, 0.0117, 0.9998
CMYK	0.97, 0.00, 1.00, 0.01
HSL	118°, 100%, 49%
HSV	118°, 100%, 99%
XYZ	34.9105, 69.6724, 11.6082
YIQ	150.3160, -64.5320, -130.1000

# Conversions

## Conversions Part 2

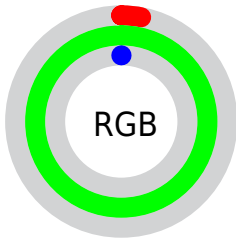
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 252, 244
Decimal	588800
CIELab	86.84, -85.18, 82.47
CIElCh	87, 118.563, 135.927
Yxy	69.6724, 0.3005, 0.5996
Android (android.graphics.Color)	4278778880 (0xFF08FC00)
YUV	150.3160, -74.1058, -124.8111
Hunter-Lab	83.4700, -71.4166, 50.1835

# Details

The XYZ color **34.9105, 69.6724, 11.6082** 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 **54.8968, 26.2712, 94.2766**, and the grayscale version is **29.4518, 30.9856, 33.7433**.

A 20% lighter version of the original color is **45.4375, 76.2858, 22.4550**, and **19.0700, 38.1399, 6.3567** is the 20% darker color. If you saturate the color by 10%, you get **34.9114, 69.6750, 11.6086**, and if you desaturate by 10%, it is **35.5981, 70.0084, 12.5701**.

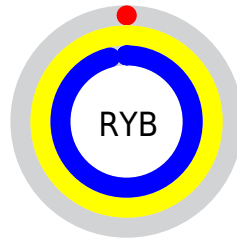
# Distribution



Red (3%)

Green (99%)

Blue (0%)



Red (0%)

Yellow (99%)

Blue (96%)

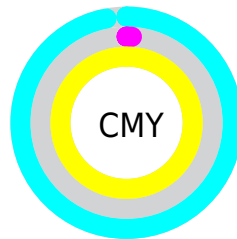


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (97%)

Magenta (1%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9105, 69.6724, 11.6082 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 34.9105, 69.6724, 11.6082 by changing the saturation by 10% instead.





 34.9105, 69.6724,  
11.6082


 34.9105, 69.6724,  
11.6082


315.6880,  
459.3989, 212.6790


 23.7601, 51.2595,  
6.3582


 66.6820, 118.7415,  
29.4331


 15.2796, 36.4152,  
2.9918


 88.0339, 150.1664,  
42.8451


 9.1034, 24.7550,  
1.0904


 113.5170,  
186.6975, 59.8149

 4.8663, 15.8946,  
0.0000

 143.4966,  
228.7191, 80.7610

 2.2030, 9.4496,  
0.0000

 178.3382,  
276.6157, 106.1019

 0.7443, 5.0356,  
0.0000

 218.4071,

 0.0000, 2.2682,

330.7716, 136.2561

0.0000

264.0686,  
391.5712, 171.6423

■ 0.0000, 0.7568,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.9105, 69.6724,  
11.6082

■ 34.9105, 69.6724,  
11.6082

■ 34.9114, 69.6750,  
11.6086

■ 35.5981, 70.0084,  
12.5701

■ 37.0734, 70.7219,  
14.7644

■ 39.5153, 71.8991,  
18.5675

■ 43.0512, 73.6007,  
24.2086

■ 47.7894, 75.8784,  
31.8802

■ 53.8248, 78.7776,  
41.7503

■ 61.2431, 82.3391,  
53.9697

■ 70.1226, 86.6004,  
68.6758

■ 80.5357, 91.5960,  
85.9953

# Harmonies

## Analogous

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



52.6837, 69.6724, 3.4508



34.9105, 69.6724, 11.6082



26.8942, 69.6724, 44.5472

# Triad

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



34.9105, 69.6724, 11.6082



54.1226, 69.6724, 339.9304



131.5905, 69.6724, 41.2944

# Complementary

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



34.9105, 69.6724, 11.6082



54.8968, 26.2712, 94.2766

# 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.



132.2951, 69.6724, 119.2097



34.9105, 69.6724, 11.6082



81.8999, 69.6724, 336.4782

# Square

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



34.9105, 69.6724, 11.6082



35.7099, 69.6724, 246.1412



112.2059, 69.6724, 238.5885



110.4868, 69.6724, 10.6403



# Rectangle

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



34.9105, 69.6724, 11.6082



26.1818, 69.6724, 92.6863



112.2059, 69.6724, 238.5885



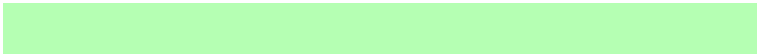
134.3853, 69.6724, 61.2067

# Sweetspot

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



34.9121, 69.6753, 11.6098



62.8825, 84.5680, 55.3922



72.3789, 85.1607, 12.6240



12.7336, 17.7526, 10.6585



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.



34.9121, 69.6753, 11.6098



35.8608, 71.5720, 11.9247



38.0600, 70.9229, 28.7060



17.0680, 19.3353, 18.2949



18.2077, 36.3047, 6.0479



1.7036, 3.3713, 0.5609



# Inverse Universe

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



54.8968, 26.2712, 94.2766



56.3894, 26.9847, 96.8443



44.4794, 22.4302, 24.6936



17.9357, 17.4950, 21.8169



28.6198, 13.6967, 49.1089

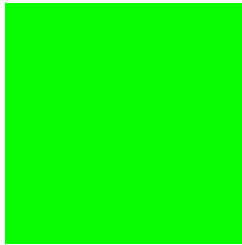


2.6672, 1.2771, 4.5491



# Previews

## White Background



This preview shows how the XYZ color 34.9105, 69.6724, 11.6082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

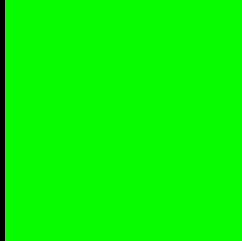
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.9105, 69.6724, 11.6082 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

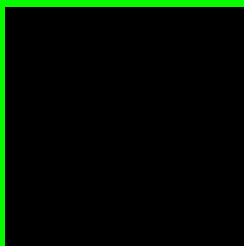
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

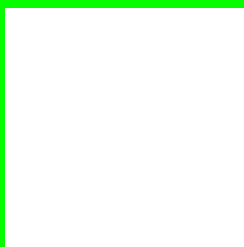
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.9105, 69.6724, 11.6082**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9105, 69.6724, 11.6082.



This preview shows how white text looks on a background with the XYZ color 34.9105, 69.6724,



# 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

34.9105, 69.6724, 11.6082

### Protanopia

61.5180, 68.1664, 9.9151

### Deuteranopia

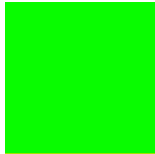
67.9607, 68.0377, 31.3805



## Tritanopia

53.0963, 69.0017, 103.4487

# Trichromacy



## Original Color

34.9105, 69.6724, 11.6082



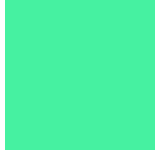
## Protanomaly

42.1199, 63.3077, 9.9997



## Deuteranomaly

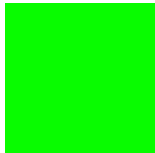
43.7729, 61.9507, 18.0381



## Tritanomaly

40.4141, 66.7859, 44.4791

# Monochromacy



## Original Color

34.9105, 69.6724, 11.6082



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

24.8729, 38.9635, 17.0363

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9105, 69.6724, 11.6082 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(8, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(8, 252, 0)  
}
```

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(8, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 252, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9105, 69.6724, 11.6082 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(8, 252, 0) }
```



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

```
.border{ border-color:rgb(8, 252, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 252, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 252, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 252, 0); box-shadow:4px  
4px 4px 4px rgb(8, 252, 0) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9105, 69.6724, 11.6082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 252, 0) }
```

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

```
.background{ background-color: rgb(8, 252,  
0) }
```

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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