

Converting Colors

XYZ(34.2808, 68.3596, 12.0500)

Have a look what the booklet for
XYZ(34.2808, 68.3596, 12.0500)
contains.

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Color

**XYZ(34.3119, 68.4217,
12.0601)**

Conversions

Conversions Part 1

Format	Color
Hex	00FA14
RGB	0, 250, 20
RGB Percent	0%, 98%, 8%
CMY	1.0000, 0.0196, 0.9215
CMYK	1.00, 0.00, 0.92, 0.02
HSL	125°, 100%, 49%
HSV	125°, 100%, 98%
XYZ	34.3119, 68.4217, 12.0601
YIQ	149.0300, -75.1700, -124.5300

Conversions

Conversions Part 2

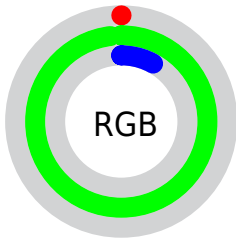
Format	Color
RYB	0, 231, 250
Decimal	64020
CIELab	86.22, -84.57, 80.19
CIELCh	86, 116.543, 136.525
Yxy	68.4217, 0.2989, 0.5960
Android (android.graphics.Color)	4278254100 (0xFF00FA14)
YUV	149.0300, -63.6118, -130.6993
Hunter-Lab	82.7174, -70.7121, 49.2578

Details

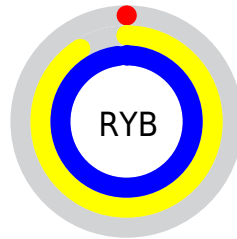
The XYZ color **34.3119, 68.4217, 12.0601** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **53.7069, 26.0373, 77.0477**, and the grayscale version is **28.8647, 30.3679, 33.0707**.

A 20% lighter version of the original color is **45.3425, 76.2161, 23.3877**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.3134, 68.4245, 12.0614**, and if you desaturate by 10%, it is **35.0244, 68.7552, 13.7127**.

Distribution



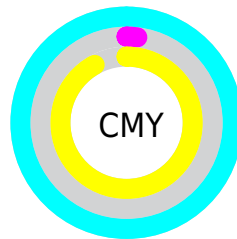
- Red (0%)
- Green (98%)
- Blue (8%)



- Red (0%)
- Yellow (91%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (92%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3119, 68.4217, 12.0601 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 34.3119, 68.4217, 12.0601 by changing the saturation by 10% instead.


 34.3119, 68.4217,
12.0601


 34.3119, 68.4217,
12.0601


313.0821,
454.9887, 215.7948


 23.2973, 50.2409,
6.6616


 65.7595, 116.9552,
30.2706


 14.9351, 35.6048,
3.1762


 86.9232, 148.0767,
43.9196


 8.8599, 24.1292,
1.1853


 112.2007,
184.2805, 61.1558

 4.7063, 15.4295,
0.0000

 141.9573,
225.9511, 82.3979

 2.1089, 9.1213,
0.0000

 176.5584,
273.4728, 108.0643

 0.6941, 4.8204,
0.0000

 216.3693,

 0.0000, 2.1423,

327.2300, 138.5735

0.0000

261.7554,
387.6072, 174.3442

■ 0.0000, 0.6882,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3119, 68.4217,
12.0601

■ 34.3119, 68.4217,
12.0601


■ 34.3134, 68.4245,
12.0614

■ 35.0244, 68.7552,
13.7127


■ 36.4866, 69.4458,
16.6387


■ 38.8930, 70.5916,
21.0310


■ 42.3688, 72.2538,
27.0476

 47.0197, 74.4841,
34.8262

 52.9388, 77.3278,
44.4898

 60.2097, 80.8255,
56.1505

 68.9090, 85.0146,
69.9115

 79.1075, 89.9294,
85.8690

Harmonies

Analogous

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



51.4311, 68.4217, 3.6532



34.3119, 68.4217, 12.0601



26.6494, 68.4217, 45.0933

Triad

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



34.3119, 68.4217, 12.0601



53.7330, 68.4217, 330.4717



128.1150, 68.4217, 39.8731

Complementary

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



34.3119, 68.4217, 12.0601



53.7069, 26.0373, 77.0477

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.



129.2352, 68.4217, 114.5207



34.3119, 68.4217, 12.0601



80.8431, 68.4217, 325.0069

Square

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



34.3119, 68.4217, 12.0601



35.5954, 68.4217, 241.4527



110.1306, 68.4217, 229.4775



107.3948, 68.4217, 10.4826

Rectangle

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



34.3119, 68.4217, 12.0601



26.0545, 68.4217, 92.5873



110.1306, 68.4217, 229.4775



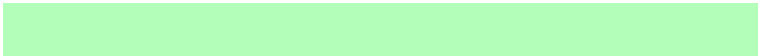
130.9602, 68.4217, 58.9358

Sweetspot

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



34.3135, 68.4245, 12.0616



62.9525, 84.5312, 58.6902



67.9016, 85.7545, 12.9736



12.7498, 17.7444, 11.4048



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.



34.3135, 68.4245, 12.0616



35.8900, 71.5720, 12.6047



39.0448, 70.3171, 36.9766



17.0738, 19.3318, 18.5891



18.2201, 36.3011, 6.5026



1.7063, 3.3696, 0.7012

Inverse Universe

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



53.7069, 26.0373, 77.0477



56.1750, 27.2340, 80.5764



42.1507, 21.4148, 16.1937



17.9295, 17.4992, 21.4847



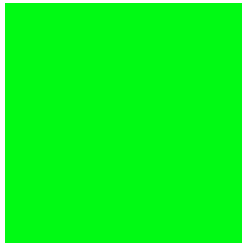
28.5120, 13.8205, 41.0001



2.6580, 1.2869, 3.8882

Previews

White Background



This preview shows how the XYZ color 34.3119, 68.4217, 12.0601 looks on a white background.

Color Contrast Check

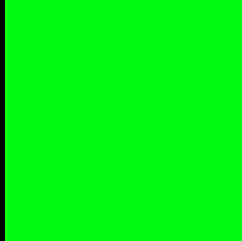
Large Text (above 18pt) WCAG AA × Fail

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 34.3119, 68.4217, 12.0601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

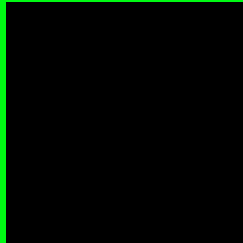
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3119, 68.4217, 12.0601

Background



This preview shows how black text looks on a background with the XYZ color 34.3119, 68.4217, 12.0601.



This preview shows how white text looks on a background with the XYZ color 34.3119, 68.4217,

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

34.3119, 68.4217, 12.0601

Protanopia

60.3222, 66.7939, 9.7132

Deuteranopia

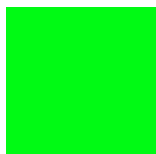
67.0130, 66.8833, 28.7798



Tritanopia

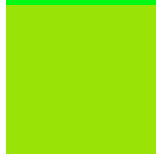
52.0949, 67.6815, 101.5849

Trichromacy



Original Color

34.3119, 68.4217, 12.0601



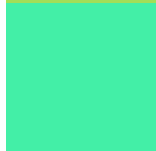
Protanomaly

40.6443, 61.7258, 9.9731



Deuteranomaly

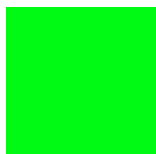
42.7419, 60.6121, 18.4634



Tritanomaly

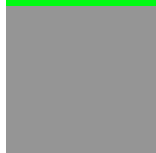
40.1563, 65.7163, 47.1273

Monochromacy



Original Color

34.3119, 68.4217, 12.0601



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

24.6765, 38.5100, 18.7030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3119, 68.4217, 12.0601 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, 250, 20)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 20)  
}
```

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, 250, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 20) }
```

Border

The CSS property to change the border of an element to XYZ 34.3119, 68.4217, 12.0601 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, 250, 20) }
```


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

```
.border{ border-color:rgb(0, 250, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 20);  
box-shadow:4px 4px 4px 4px rgb(0, 250, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.3119, 68.4217, 12.0601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 20) }
```

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

```
.background{ background-color: rgb(0, 250,  
20) }
```

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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