

Converting Colors

XYZ(34.4116, 68.4443, 12.3312)

Have a look what the booklet for
XYZ(34.4116, 68.4443, 12.3312)
contains.

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Color

**XYZ(34.4237, 68.4737,
12.3221)**

Conversions

Conversions Part 1

Format	Color
Hex	05FA19
RGB	5, 250, 25
RGB Percent	2%, 98%, 10%
CMY	0.9804, 0.0196, 0.9019
CMYK	0.98, 0.00, 0.90, 0.02
HSL	125°, 96%, 50%
HSV	125°, 98%, 98%
XYZ	34.4237, 68.4737, 12.3221
YIQ	151.0950, -73.7950, -121.9150

Conversions

Conversions Part 2

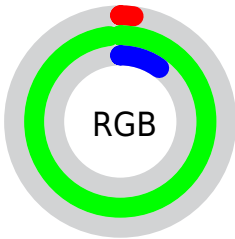
Format	Color
RYB	5, 232, 250
Decimal	391705
CIELab	86.24, -84.30, 79.54
CIELCh	86, 115.900, 136.663
Yxy	68.4737, 0.2988, 0.5943
Android (android.graphics.Color)	4278581785 (0xFF05FA19)
YUV	151.0950, -62.1648, -128.1253
Hunter-Lab	82.7488, -70.5541, 49.0953

Details

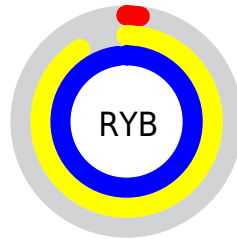
The XYZ color **34.4237, 68.4737, 12.3221** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **53.7617, 26.1460, 77.0684**, and the grayscale version is **29.7394, 31.2881, 34.0728**.

A 20% lighter version of the original color is **45.5724, 76.3238, 23.8853**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.3171, 68.4260, 12.0806**, and if you desaturate by 10%, it is **35.2555, 68.8633, 14.2276**.

Distribution



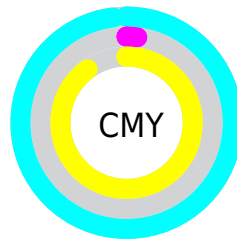
- Red (2%)
- Green (98%)
- Blue (10%)



- Red (2%)
- Yellow (91%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (90%)
- Black (2%)





- Cyan (98%)
- Magenta (2%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4237, 68.4737, 12.3221 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 34.4237, 68.4737, 12.3221 by changing the saturation by 10% instead.


 34.4237, 68.4737,
12.3221


 34.4237, 68.4737,
12.3221


313.5700,
455.1725, 217.5792


 23.3837, 50.2832,
6.8382


 65.9319, 117.0295,
30.7535

 14.9993, 35.6385,
3.2842


 87.1309, 148.1637,
44.5382


 8.9052, 24.1551,
1.2415

 112.4469,
184.3812, 61.9268

 4.7360, 15.4487,
0.0131

 142.2453,
226.0664, 83.3380

 2.1264, 9.1349,
0.0000

 176.8915,
273.6038, 109.1904

 0.7035, 4.8293,
0.0000

 216.7507,

 0.0000, 2.1474,

327.3776, 139.9023

0.0000

262.1884,
387.7724, 175.8924

■ 0.0000, 0.6911,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.4237, 68.4737,
12.3221

■ 34.4237, 68.4737,
12.3221

■ 34.3171, 68.4260,
12.0806

■ 35.2555, 68.8633,
14.2276

■ 36.8980, 69.6404,
17.4475

■ 39.5112, 70.8859,
22.1643

■ 43.2154, 72.6584,
28.5304

■ 48.1133, 75.0081,
36.6793

■ 54.2957, 77.9792,
46.7307

■ 61.8447, 81.6116,
58.7943

■ 70.8352, 85.9419,
72.9711

■ 81.3371, 91.0041,
89.3556

Harmonies

Analogous

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



51.4411, 68.4737, 3.7806



34.4237, 68.4737, 12.3221



26.8140, 68.4737, 45.5181

Triad

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



34.4237, 68.4737, 12.3221



53.9413, 68.4737, 328.7075



127.7083, 68.4737, 39.8393

Complementary

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



34.4237, 68.4737, 12.3221



53.7617, 26.1460, 77.0684

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.



128.9210, 68.4737, 113.8843



34.4237, 68.4737, 12.3221



80.9438, 68.4737, 322.8040

Square

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



34.4237, 68.4737, 12.3221



35.8203, 68.4737, 240.8144



110.0280, 68.4737, 227.8670



107.0646, 68.4737, 10.5925

Rectangle

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



34.4237, 68.4737, 12.3221



26.2434, 68.4737, 92.9534



110.0280, 68.4737, 227.8670



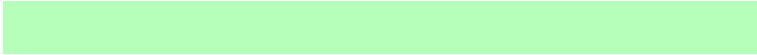
130.5653, 68.4737, 58.7623

Sweetspot

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



34.4253, 68.4765, 12.3236



63.8072, 84.9416, 60.0973



68.0382, 85.8218, 13.1229



12.9111, 17.8218, 11.6739



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.



34.4253, 68.4765, 12.3236



35.8938, 71.5735, 12.6246



39.2712, 70.4149, 37.8421



17.0749, 19.3322, 18.5951



18.2223, 36.3019, 6.5142



1.7068, 3.3698, 0.7041

Inverse Universe

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



53.7617, 26.1460, 77.0684



56.1155, 27.2102, 80.2632



42.3589, 21.5849, 17.0220



17.9283, 17.4987, 21.4780



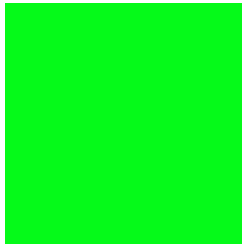
28.4823, 13.8086, 40.8438



2.6555, 1.2859, 3.8754

Previews

White Background



This preview shows how the XYZ color 34.4237, 68.4737, 12.3221 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 34.4237, 68.4737, 12.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

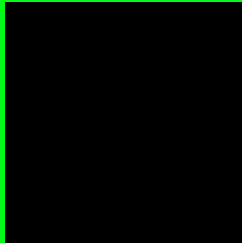
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.4237, 68.4737, 12.3221

Background



This preview shows how black text looks on a background with the XYZ color 34.4237, 68.4737, 12.3221.



This preview shows how white text looks on a background with the XYZ color 34.4237, 68.4737,

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

34.4237, 68.4737, 12.3221

Protanopia

60.3222, 66.7939, 9.7132

Deuteranopia

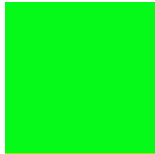
67.0130, 66.8833, 28.7798



Tritanopia

52.0949, 67.6815, 101.5849

Trichromacy



Original Color

34.4237, 68.4737, 12.3221



Protanomaly

41.0360, 61.9265, 10.0486



Deuteranomaly

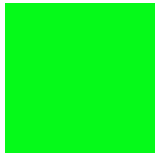
43.2343, 60.8563, 18.9190



Tritanomaly

40.4822, 65.8628, 48.1153

Monochromacy



Original Color

34.4237, 68.4737, 12.3221



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.3571, 39.1572, 19.5862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4237, 68.4737, 12.3221 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(5, 250, 25)` looks like.

```
.text, #text, p{  
    color:rgb(5, 250, 25)  
}
```

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(5, 250, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 250, 25) }
```

Border

The CSS property to change the border of an element to XYZ 34.4237, 68.4737, 12.3221 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(5, 250, 25) }
```


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

```
.border{ border-color:rgb(5, 250, 25) }
```

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

Here you see how a box with a 4 pixel rgb(5, 250, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 250, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 250, 25);  
box-shadow:4px 4px 4px 4px rgb(5, 250, 25)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.4237, 68.4737, 12.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 250, 25) }
```

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

```
.background{ background-color: rgb(5, 250,  
25) }
```

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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