

Converting Colors

XYZ(34.1568, 68.3100, 11.3967)

Have a look what the booklet for
XYZ(34.1568, 68.3100, 11.3967)
contains.

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Color

**XYZ(34.1856, 68.3712,
11.3952)**

Conversions

Conversions Part 1

Format	Color
Hex	00FA00
RGB	0, 250, 0
RGB Percent	0%, 98%, 0%
CMY	1.0000, 0.0196, 0.9999
CMYK	1.00, 0.00, 1.00, 0.02
HSL	120°, 100%, 49%
HSV	120°, 100%, 98%
XYZ	34.1856, 68.3712, 11.3952
YIQ	146.7500, -68.7500, -130.7500

Conversions

Conversions Part 2

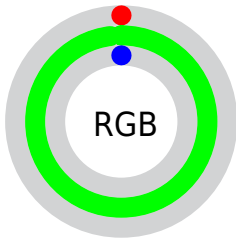
Format	Color
RYB	0, 250, 250
Decimal	64000
CIELab	86.19, -84.90, 81.94
CIELCh	86, 117.994, 136.016
Yxy	68.3712, 0.3000, 0.6000
Android (android.graphics.Color)	4278254080 (0xFF00FA00)
YUV	146.7500, -72.3478, -128.6997
Hunter-Lab	82.6869, -70.9040, 49.7100

Details

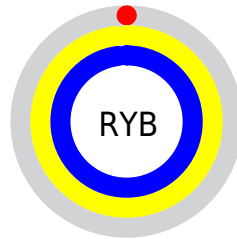
The XYZ color **34.1856, 68.3712, 11.3952** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **56.6760, 27.2249, 92.6830**, and the grayscale version is **27.9427, 29.3979, 32.0143**.

A 20% lighter version of the original color is **45.2561, 76.1973, 22.2198**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.1872, 68.3740, 11.3967**, and if you desaturate by 10%, it is **34.7637, 68.6510, 12.3404**.

Distribution



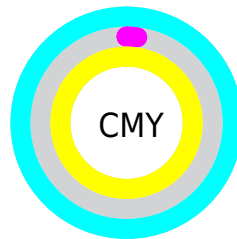
- Red (0%)
- Green (98%)
- Blue (0%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1856, 68.3712, 11.3952 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 34.1856, 68.3712, 11.3952 by changing the saturation by 10% instead.


 34.1856, 68.3712,
11.3952


 34.1856, 68.3712,
11.3952


312.5302,
454.8101, 211.1930


 23.1998, 50.1998,
6.2158


 65.5646, 116.8830,
29.0364


 14.8626, 35.5722,
2.9058


 86.6884, 147.9922,
42.3353


 8.8087, 24.1040,
1.0468


 111.9223,
184.1828, 59.1778

 4.6727, 15.4108,
0.0000

 141.6317,
225.8391, 79.9824

 2.0893, 9.1082,
0.0000

 176.1818,
273.3456, 105.1677

 0.6834, 4.8118,
0.0000

 215.9380,

 0.0000, 2.1373,

327.0867, 135.1522

0.0000

261.2657,
387.4467, 170.3544

■ 0.0000, 0.6855,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1856, 68.3712,
11.3952

■ 34.1856, 68.3712,
11.3952

■ 34.1872, 68.3740,
11.3967

■ 34.7637, 68.6510,
12.3404

■ 36.0788, 69.2826,
14.4925

■ 38.3597, 70.3782,
18.2242

■ 41.7441, 72.0040,
23.7608

■ 46.3478, 74.2153,
31.2913

■ 52.2716, 77.0608,
40.9808

■ 59.6061, 80.5840,
52.9775

■ 68.4340, 84.8244,
67.4163

■ 78.8312, 89.8188,
84.4216

Harmonies

Analogous

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



51.6147, 68.3712, 3.3674



34.1856, 68.3712, 11.3952



26.3402, 68.3712, 43.8356

Triad

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



34.1856, 68.3712, 11.3952



53.1642, 68.3712, 334.3181



129.2150, 68.3712, 40.3341

Complementary

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



34.1856, 68.3712, 11.3952



56.6760, 27.2249, 92.6830

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.



129.9744, 68.3712, 116.7516



34.1856, 68.3712, 11.3952



80.4847, 68.3712, 330.5955

Square

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



34.1856, 68.3712, 11.3952



35.0461, 68.3712, 242.2467



110.2694, 68.3712, 234.1042



108.4169, 68.3712, 10.3554

Rectangle

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



34.1856, 68.3712, 11.3952



25.6560, 68.3712, 91.2457



110.2694, 68.3712, 234.1042



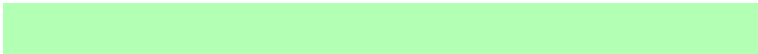
131.9850, 68.3712, 59.8439

Sweetspot

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



34.1872, 68.3740, 11.3967



62.3224, 84.2792, 55.3720



73.6129, 88.6988, 13.2408



12.6072, 17.6874, 10.6540



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.



34.1872, 68.3740, 11.3967



35.7602, 71.5201, 11.9211



37.8888, 69.8547, 30.8891



17.0176, 19.3093, 18.2931



18.1333, 36.2663, 6.0452



1.6795, 3.3589, 0.5601

Inverse Universe

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



56.6760, 27.2249, 92.6830



59.2838, 28.4775, 96.9475



43.1277, 21.8055, 21.3386



17.9930, 17.5246, 21.8189



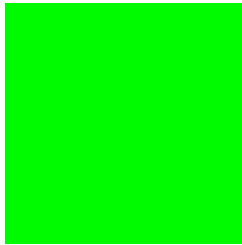
30.0616, 14.4404, 49.1603



2.7843, 1.3374, 4.5533

Previews

White Background



This preview shows how the XYZ color 34.1856, 68.3712, 11.3952 looks on a white background.

Color Contrast Check

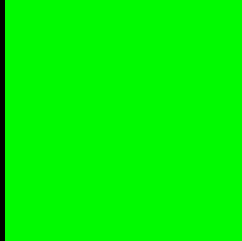
Large Text (above 18pt) WCAG AA × Fail

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 34.1856, 68.3712, 11.3952 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

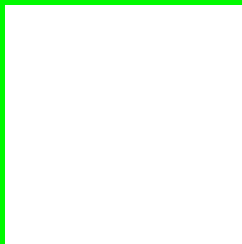
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1856, 68.3712, 11.3952

Background



This preview shows how black text looks on a background with the XYZ color 34.1856, 68.3712, 11.3952.



This preview shows how white text looks on a background with the XYZ color 34.1856, 68.3712,

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

34.1856, 68.3712, 11.3952

Protanopia

60.3222, 66.7939, 9.7132

Deuteranopia

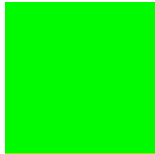
66.9494, 66.8578, 28.4450



Tritanopia

52.0949, 67.6815, 101.5849

Trichromacy



Original Color

34.1856, 68.3712, 11.3952



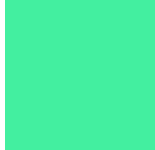
Protanomaly

40.6060, 61.7105, 9.7712



Deuteranomaly

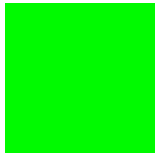
42.4329, 60.4884, 16.8361



Tritanomaly

39.5264, 65.4644, 43.8103

Monochromacy



Original Color

34.1856, 68.3712, 11.3952



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

23.7770, 37.4688, 16.5687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1856, 68.3712, 11.3952 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 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(0, 250, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 34.1856, 68.3712, 11.3952 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, 0) }
```


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

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

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, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 34.1856, 68.3712, 11.3952 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, 0) }
```

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

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