

Converting Colors

XYZ(35.0367, 68.6619, 16.0303)

Have a look what the booklet for
XYZ(35.0367, 68.6619, 16.0303)
contains.

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Color

**XYZ(35.0551, 68.7190,
15.9739)**

Conversions

Conversions Part 1

Format	Color
Hex	00FA3E
RGB	0, 250, 62
RGB Percent	0%, 98%, 24%
CMY	1.0000, 0.0196, 0.7568
CMYK	1.00, 0.00, 0.75, 0.02
HSL	135°, 100%, 49%
HSV	135°, 100%, 98%
XYZ	35.0551, 68.7190, 15.9739
YIQ	153.8180, -88.6520, -111.4680

Conversions

Conversions Part 2

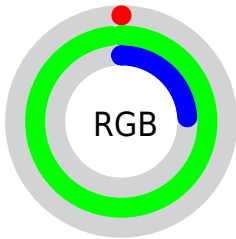
Format	Color
RYB	0, 200, 250
Decimal	64062
CIELab	86.36, -82.66, 71.01
CIELCh	86, 108.970, 139.335
Yxy	68.7190, 0.2927, 0.5739
Android (android.graphics.Color)	4278254142 (0xFF00FA3E)
YUV	153.8180, -45.2663, -134.8984
Hunter-Lab	82.8969, -69.5863, 46.6029

Details

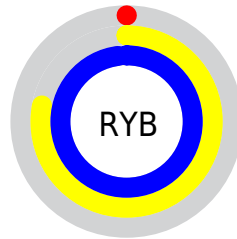
The XYZ color **35.0551, 68.7190, 15.9739** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **48.5032, 23.9558, 49.6451**, and the grayscale version is **30.8574, 32.4644, 35.3537**.

A 20% lighter version of the original color is **46.5473, 76.6824, 30.4370**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **35.0566, 68.7218, 15.9750**, and if you desaturate by 10%, it is **36.0660, 69.1719, 19.1974**.

Distribution



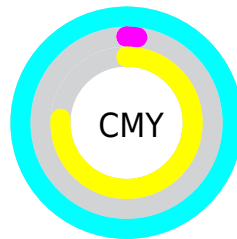
- Red (0%)
- Green (98%)
- Blue (24%)



- Red (0%)
- Yellow (78%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (2%)



- Cyan (100%)
- Magenta (2%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0551, 68.7190, 15.9739 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 35.0551, 68.7190, 15.9739 by changing the saturation by 10% instead.

■ 35.0551, 68.7190,
15.9739

■ 35.0551, 68.7190,
15.9739

316.3152,
456.0393, 241.0281

■ 23.8720, 50.4829,
9.3515

■ 66.9046, 117.3801,
37.3190

■ 15.3629, 35.7972,
4.8712

■ 88.3017, 148.5740,
52.8789

■ 9.1625, 24.2776,
2.1145

■ 113.8342,
184.8558, 72.2550

■ 4.9053, 15.5397,
0.6244

■ 143.8675,
226.6101, 95.8659

■ 2.2260, 9.1990,
0.0000

■ 178.7669,
274.2212, 124.1301

■ 0.7564, 4.8712,
0.0000

218.8977,

■ 0.0000, 2.1719,

328.0735, 157.4662

0.0000

264.6254,
388.5514, 196.2927

■ 0.0000, 0.7046,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0551, 68.7190,
15.9739

■ 35.0551, 68.7190,
15.9739

■ 35.0566, 68.7218,
15.9750

■ 36.0660, 69.1719,
19.1974

■ 37.7839, 69.9647,
23.4703

■ 40.3833, 71.1877,
28.8789

■ 43.9734, 72.8957,
35.4976

■ 48.6467, 75.1349,
43.3943

■ 54.4848, 77.9462,
52.6318

■ 61.5613, 81.3661,
63.2687

■ 69.9435, 85.4284,
75.3601

■ 79.6939, 90.1640,
88.9581

Harmonies

Analogous

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



50.5674, 68.7190, 5.4412



35.0551, 68.7190, 15.9739



28.3670, 68.7190, 51.9935

Triad

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



35.0551, 68.7190, 15.9739



56.7626, 68.7190, 310.3760



122.4466, 68.7190, 37.6776

Complementary

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



35.0551, 68.7190, 15.9739



48.5032, 23.9558, 49.6451

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.



125.3480, 68.7190, 103.5146



35.0551, 68.7190, 15.9739



82.6835, 68.7190, 296.5857

Square

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



35.0551, 68.7190, 15.9739



38.5837, 68.7190, 236.8715



109.3287, 68.7190, 206.3441



102.1969, 68.7190, 11.2448

Rectangle

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



35.0551, 68.7190, 15.9739



28.2553, 68.7190, 99.6306



109.3287, 68.7190, 206.3441



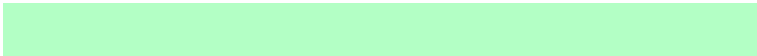
125.6495, 68.7190, 54.5189

Sweetspot

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



35.0567, 68.7218, 15.9755



64.3674, 85.0972, 66.1408



55.8420, 79.5375, 12.4092



13.0742, 17.8742, 13.1131



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.



35.0567, 68.7218, 15.9755



36.6640, 71.8816, 16.6805



42.7695, 71.8069, 56.5902



17.1939, 19.3798, 19.2217



18.6422, 36.4699, 8.7251



1.7669, 3.3939, 1.0206

Inverse Universe

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



48.5032, 23.9558, 49.6451



50.7275, 25.0550, 51.8904



40.4292, 20.7262, 7.1283



17.7983, 17.4467, 20.7935



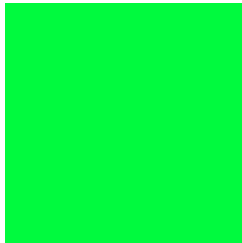
25.7869, 12.7305, 26.6499



2.4304, 1.1959, 2.6897

Previews

White Background



This preview shows how the XYZ color 35.0551, 68.7190, 15.9739 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 35.0551, 68.7190, 15.9739 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 35.0551, 68.7190, 15.9739

Background



This preview shows how black text looks on a background with the XYZ color 35.0551, 68.7190, 15.9739.

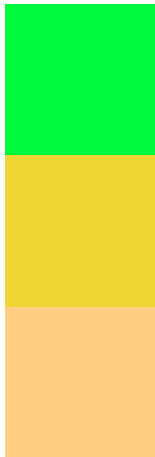


This preview shows how white text looks on a background with the XYZ color 35.0551, 68.7190,

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

35.0551, 68.7190, 15.9739

Protanopia

60.6244, 66.8754, 13.0812

Deuteranopia

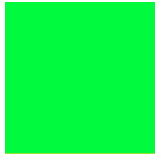
67.3406, 67.0143, 30.5049



Tritanopia

52.3031, 68.1897, 102.5007

Trichromacy



Original Color

35.0551, 68.7190, 15.9739



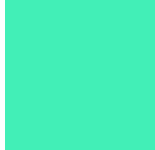
Protanomaly

41.3198, 61.9960, 13.5300



Deuteranomaly

43.5714, 60.9439, 22.8315



Tritanomaly

41.6605, 66.3102, 55.4031

Monochromacy



Original Color

35.0551, 68.7190, 15.9739



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

26.6858, 40.3723, 24.4753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0551, 68.7190, 15.9739 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 62) }
```

Border

The CSS property to change the border of an element to XYZ 35.0551, 68.7190, 15.9739 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, 62) }
```


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

```
.border{ border-color:rgb(0, 250, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 62);  
box-shadow:4px 4px 4px 4px rgb(0, 250, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.0551, 68.7190, 15.9739 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, 62) }
```

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

```
.background{ background-color: rgb(0, 250,  
62) }
```

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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