

Converting Colors

XYZ(35.5127, 70.9136, 12.1796)

Have a look what the booklet for
XYZ(35.5127, 70.9136, 12.1796)
contains.

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Color

**XYZ(35.5145, 70.9127,
12.1965)**

Conversions

Conversions Part 1

Format	Color
Hex	00FE0D
RGB	0, 254, 13
RGB Percent	0%, 100%, 5%
CMY	1.0000, 0.0039, 0.9489
CMYK	1.00, 0.00, 0.95, 0.00
HSL	123°, 100%, 50%
HSV	123°, 100%, 100%
XYZ	35.5145, 70.9127, 12.1965
YIQ	150.5800, -74.0230, -128.7990

Conversions

Conversions Part 2

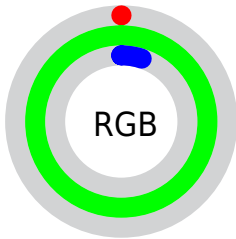
Format	Color
RYB	0, 242, 254
Decimal	65037
CIELab	87.44, -85.74, 81.94
CIELCh	87, 118.600, 136.300
Yxy	70.9127, 0.2994, 0.5978
Android (android.graphics.Color)	4278255117 (0xFF00FE0D)
YUV	150.5800, -67.8269, -132.0587
Hunter-Lab	84.2097, -72.0865, 50.3595

Details

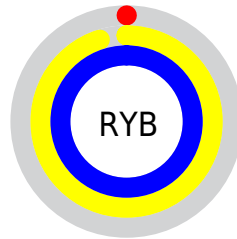
The XYZ color **35.5145, 70.9127, 12.1965** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **56.7481, 27.4211, 85.5012**, and the grayscale version is **29.5424, 31.0809, 33.8471**.

A 20% lighter version of the original color is **45.5713, 76.3393, 23.1596**, and **19.5151, 39.0302, 6.5050** is the 20% darker color. If you saturate the color by 10%, you get **35.5161, 70.9156, 12.1980**, and if you desaturate by 10%, it is **36.1902, 71.2327, 13.6029**.

Distribution



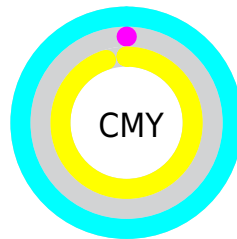
- Red (0%)
- Green (100%)
- Blue (5%)



- Red (0%)
- Yellow (95%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5145, 70.9127, 12.1965 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 35.5145, 70.9127, 12.1965 by changing the saturation by 10% instead.


 35.5145, 70.9127,
12.1965


 35.5145, 70.9127,
12.1965

318.3019,
463.7482, 216.7257

 24.2278, 52.2710,
6.7535


 67.6108, 120.5094,
30.5222

 15.6284, 37.2211,
3.2323


 89.1512, 152.2332,
44.2420


 9.3507, 25.3787,
1.2144


 114.8402,
189.0864, 61.5578

 5.0296, 16.3594,
0.0000

 145.0432,
231.4535, 82.8881

 2.2996, 9.7789,
0.0000

 180.1255,
279.7188, 108.6516

 0.7944, 5.2526,
0.0000

 220.4525,

 0.0000, 2.3962,

334.2668, 139.2666

0.0000

266.3895,
395.4818, 175.1518

■ 0.0000, 0.8239,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.5145, 70.9127,
12.1965

■ 35.5145, 70.9127,
12.1965


■ 35.5161, 70.9156,
12.1980


■ 36.1902, 71.2327,
13.6029

■ 37.6471, 71.9246,
16.3458


■ 40.0927, 73.0925,
20.6575


■ 43.6613, 74.8015,
26.7247

 48.4662, 77.1068,
34.7081

 54.6071, 80.0566,
44.7501

 62.1732, 83.6943,
56.9798

 71.2462, 88.0593,
71.5156

 81.9017, 93.1882,
88.4675

Harmonies

Analogous

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



53.4041, 70.9127, 3.6549



35.5145, 70.9127, 12.1965



27.4868, 70.9127, 46.1737

Triad

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



35.5145, 70.9127, 12.1965



55.4475, 70.9127, 344.3711



133.3243, 70.9127, 41.5471

Complementary

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



35.5145, 70.9127, 12.1965



56.7481, 27.4211, 85.5012

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.



134.3217, 70.9127, 119.7420



35.5145, 70.9127, 12.1965



83.6505, 70.9127, 339.4945

Square

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



35.5145, 70.9127, 12.1965



36.6518, 70.9127, 250.6911



114.2415, 70.9127, 240.0135



111.8066, 70.9127, 10.8090

Rectangle

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



35.5145, 70.9127, 12.1965



26.8292, 70.9127, 95.3769



114.2415, 70.9127, 240.0135



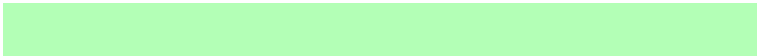
136.2400, 70.9127, 61.5134

Sweetspot

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



35.5161, 70.9156, 12.1981



62.7225, 84.4392, 57.4788



71.8229, 89.6409, 13.5171



12.6976, 17.7236, 11.1299



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.



35.5161, 70.9156, 12.1981



35.8332, 71.5493, 12.3053



40.1551, 72.7712, 36.6266



17.8093, 20.1833, 19.2989



18.7391, 37.3922, 6.5115



1.8372, 3.6458, 0.7008

Inverse Universe

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



56.7481, 27.4211, 85.5012



57.2548, 27.6659, 86.2630



43.9293, 22.2936, 17.9982



18.7500, 18.2833, 22.5669



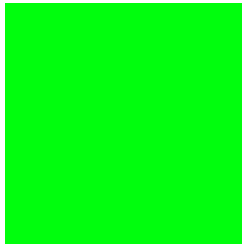
29.9344, 14.4631, 45.1667



2.9265, 1.4130, 4.4602

Previews

White Background



This preview shows how the XYZ color 35.5145, 70.9127, 12.1965 looks on a white background.

Color Contrast Check

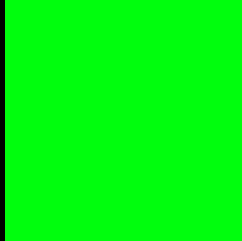
Large Text (above 18pt) WCAG AA × Fail

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 35.5145, 70.9127, 12.1965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

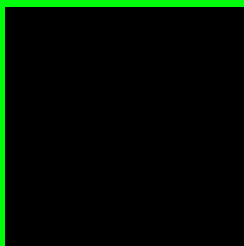
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

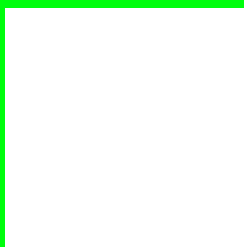
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5145, 70.9127, 12.1965

Background



This preview shows how black text looks on a background with the XYZ color 35.5145, 70.9127, 12.1965.



This preview shows how white text looks on a background with the XYZ color 35.5145, 70.9127, 12.1965.

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

35.5145, 70.9127, 12.1965

Protanopia

62.4690, 69.0382, 10.0332

Deuteranopia

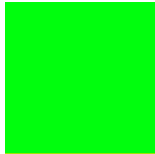
69.0202, 69.2466, 34.5391



Tritanopia

54.2298, 70.3991, 105.3379

Trichromacy



Original Color

35.5145, 70.9127, 12.1965



Protanomaly

42.0345, 63.6725, 10.2182



Deuteranomaly

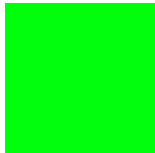
44.1170, 62.8822, 20.4020



Tritanomaly

41.4799, 68.1564, 47.5285

Monochromacy



Original Color

35.5145, 70.9127, 12.1965



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.1561, 39.3928, 18.5896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5145, 70.9127, 12.1965 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, 254, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 13)  
}
```

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, 254, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 13) }
```

Border

The CSS property to change the border of an element to XYZ 35.5145, 70.9127, 12.1965 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, 254, 13) }
```


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

```
.border{ border-color:rgb(0, 254, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 254, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 254, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.5145, 70.9127, 12.1965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 13) }
```

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

```
.background{ background-color: rgb(0, 254,  
13) }
```

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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