

Converting Colors

XYZ(35.8462, 69.0394, 14.1157)

Have a look what the booklet for
XYZ(35.8462, 69.0394, 14.1157)
contains.

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Color

**XYZ(35.9176, 69.2048,
14.1541)**

Conversions

Conversions Part 1

Format	Color
Hex	30FA2F
RGB	48, 250, 47
RGB Percent	19%, 98%, 18%
CMY	0.8118, 0.0196, 0.8156
CMYK	0.81, 0.00, 0.81, 0.02
HSL	120°, 95%, 58%
HSV	120°, 81%, 98%
XYZ	35.9176, 69.2048, 14.1541
YIQ	166.4600, -55.2290, -105.9570

Conversions

Conversions Part 2

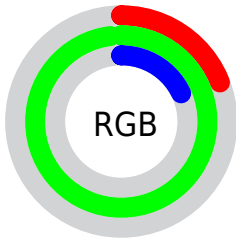
Format	Color
RYB	47, 250, 249
Decimal	3209775
CIELab	86.61, -80.78, 75.59
CIELCh	87, 110.630, 136.899
Yxy	69.2048, 0.3011, 0.5802
Android (android.graphics.Color)	4281399855 (0xFF30FA2F)
YUV	166.4600, -58.8938, -103.8894
Hunter-Lab	83.1894, -68.5129, 48.1448

Details

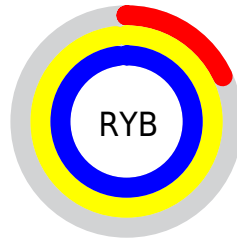
The XYZ color **35.9176, 69.2048, 14.1541** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **57.3449, 29.0785, 93.0364**, and the grayscale version is **36.7661, 38.6808, 42.1234**.

A 20% lighter version of the original color is **47.9345, 77.4711, 27.1789**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.6880, 68.6155, 12.1754**, and if you desaturate by 10%, it is **38.0955, 70.2537, 17.6852**.

Distribution



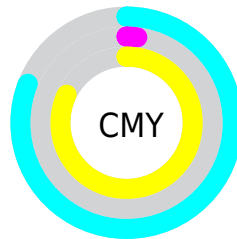
- Red (19%)
- Green (98%)
- Blue (18%)



- Red (18%)
- Yellow (98%)
- Blue (98%)



- Cyan (81%)
- Magenta (0%)
- Yellow (81%)
- Black (2%)





- Cyan (81%)
- Magenta (2%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9176, 69.2048, 14.1541 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 35.9176, 69.2048, 14.1541 by changing the saturation by 10% instead.


 35.9176, 69.2048,
14.1541


 35.9176, 69.2048,
14.1541


320.0378,
457.7530, 229.6491


 24.5404, 50.8785,
8.0879


 68.2296, 118.0740,
34.0833

 15.8619, 36.1119,
4.0627


 89.8950, 149.3858,
48.7833


 9.5167, 24.5207,
1.6598


 115.7206,
185.7948, 67.1985

 5.1395, 15.7203,
0.3330

 146.0717,
227.6855, 89.7472

 2.3649, 9.3264,
0.0000

 181.3135,
275.4423, 116.8481

 0.8276, 4.9547,
0.0000

221.8116,

 0.0000, 2.2207,

329.4495, 148.9197

0.0000

267.9312,
390.0916, 186.3805

■ 0.0000, 0.7313,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9176, 69.2048,
14.1541

■ 35.9176, 69.2048,
14.1541

■ 34.6880, 68.6155,
12.1754


■ 38.0955, 70.2537,
17.6852


■ 34.2023, 68.3818,
11.3964


■ 41.3560, 71.8204,
22.9950


■ 45.8169, 73.9635,
30.2776


■ 51.5794, 76.7316,
39.7007

 58.7341, 80.1682,
51.4142

 67.3635, 84.3127,
65.5544

 77.5436, 89.2018,
82.2471

 89.3452, 94.8695,
101.6092

 93.4770, 96.8540,
108.3757

Harmonies

Analogous

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



52.4462, 69.2048, 4.8822



35.9176, 69.2048, 14.1541



28.4623, 69.2048, 47.6371

Triad

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



35.9176, 69.2048, 14.1541



55.2112, 69.2048, 313.9311



125.2129, 69.2048, 41.2756

Complementary

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



35.9176, 69.2048, 14.1541



57.3449, 29.0785, 93.0364

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.



126.5182, 69.2048, 112.1512



35.9176, 69.2048, 14.1541



81.1948, 69.2048, 307.6929

Square

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



35.9176, 69.2048, 14.1541



37.4857, 69.2048, 232.8776



108.8022, 69.2048, 219.0990



105.5979, 69.2048, 12.0900

Rectangle

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



35.9176, 69.2048, 14.1541



27.9351, 69.2048, 93.6420



108.8022, 69.2048, 219.0990



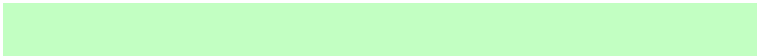
127.9577, 69.2048, 59.6140

Sweetspot

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



35.9192, 69.2077, 14.1557



67.7486, 86.8884, 64.1217



73.0843, 86.8202, 15.5964



13.8074, 18.2646, 12.5881



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.



35.9192, 69.2077, 14.1557



35.9128, 71.5939, 12.1459



40.4801, 71.0267, 38.4142



17.0253, 19.3133, 18.2929



18.1447, 36.2722, 6.0449



1.6832, 3.3608, 0.5600

Inverse Universe

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



57.3449, 29.0785, 93.0364



58.9304, 28.4179, 96.9870



46.1014, 24.6220, 31.9815



17.9842, 17.5200, 21.8191



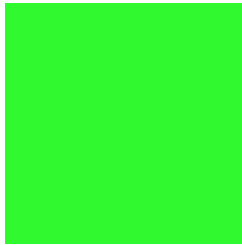
29.8375, 14.3245, 49.1658



2.7661, 1.3281, 4.5537

Previews

White Background



This preview shows how the XYZ color 35.9176, 69.2048, 14.1541 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 35.9176, 69.2048, 14.1541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

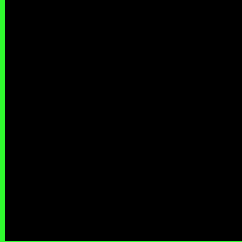
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.9176, 69.2048, 14.1541

Background



This preview shows how black text looks on a background with the XYZ color 35.9176, 69.2048, 14.1541.

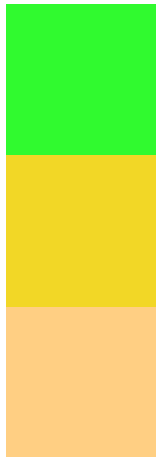


This preview shows how white text looks on a background with the XYZ color 35.9176, 69.2048,

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

35.9176, 69.2048, 14.1541

Protanopia

61.2682, 67.6181, 11.6561

Deuteranopia

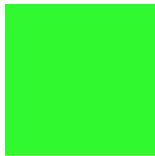
67.6496, 67.5243, 30.9407



Tritanopia

53.3917, 68.7508, 102.5517

Trichromacy



Original Color

35.9176, 69.2048, 14.1541



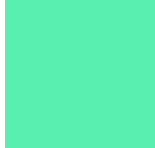
Protanomaly

44.9382, 64.3048, 12.1414



Deuteranomaly

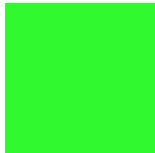
47.5103, 63.3988, 21.7897



Tritanomaly

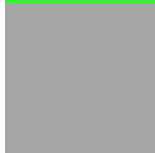
42.9221, 67.0312, 52.2711

Monochromacy



Original Color

35.9176, 69.2048, 14.1541



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

31.7098, 45.5735, 25.8642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9176, 69.2048, 14.1541 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(48, 250, 47)` looks like.

```
.text, #text, p{  
    color:rgb(48, 250, 47)  
}
```

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(48, 250, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 250, 47) }
```

Border

The CSS property to change the border of an element to XYZ 35.9176, 69.2048, 14.1541 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(48, 250, 47) }
```


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

```
.border{ border-color:rgb(48, 250, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 250, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 250, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 250, 47);  
box-shadow:4px 4px 4px 4px rgb(48, 250,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9176, 69.2048, 14.1541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 250, 47) }
```

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

```
.background{ background-color: rgb(48, 250,  
47) }
```

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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