

Converting Colors

XYZ(35.4076, 67.5443, 11.4137)

Have a look what the booklet for
XYZ(35.4076, 67.5443, 11.4137)
contains.

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Color

**XYZ(35.4846, 67.6629,
11.4197)**

Conversions

Conversions Part 1

Format	Color
Hex	41F708
RGB	65, 247, 8
RGB Percent	25%, 97%, 3%
CMY	0.7451, 0.0314, 0.9685
CMYK	0.74, 0.00, 0.97, 0.03
HSL	106°, 94%, 50%
HSV	106°, 97%, 97%
XYZ	35.4846, 67.6629, 11.4197
YIQ	165.3360, -31.7530, -112.9130

Conversions

Conversions Part 2

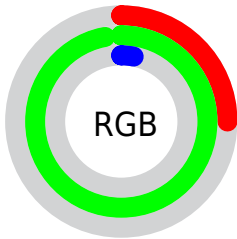
Format	Color
RYB	8, 247, 190
Decimal	4323080
CIELab	85.84, -78.93, 81.26
CIELCh	86, 113.284, 134.164
Yxy	67.6629, 0.3097, 0.5906
Android (android.graphics.Color)	4282513160 (0xFF41F708)
YUV	165.3360, -77.5666, -87.9947
Hunter-Lab	82.2575, -66.9484, 49.3491

Details

The XYZ color **35.4846, 67.6629, 11.4197** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **38.1214, 17.8423, 89.4340**, and the grayscale version is **36.3014, 38.1919, 41.5910**.

A 20% lighter version of the original color is **48.5510, 77.8858, 22.8305**, and **18.1976, 36.3952, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **35.0587, 67.4505, 11.1715**, and if you desaturate by 10%, it is **37.1724, 68.5088, 12.6838**.

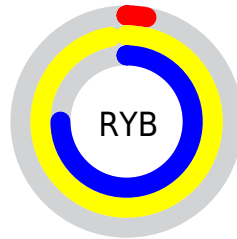
Distribution



Red (25%)

Green (97%)

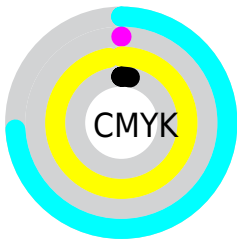
Blue (3%)



Red (3%)

Yellow (97%)

Blue (75%)

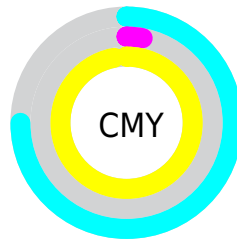


Cyan (74%)

Magenta (0%)

Yellow (97%)

Black (3%)



Cyan (75%)


Magenta (3%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4846, 67.6629, 11.4197 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 35.4846, 67.6629, 11.4197 by changing the saturation by 10% instead.


 35.4846, 67.6629,
11.4197


 35.4846, 67.6629,
11.4197


318.1729,
452.3007, 211.3645


 24.2047, 49.6235,
6.2322


 67.5649, 115.8698,
29.0821


 15.6111, 35.1144,
2.9157


 89.0960, 146.8061,
42.3941


 9.3385, 23.7510,
1.0518


 114.7748,
182.8101, 59.2513

 5.0215, 15.1490,
0.0000

 144.9668,
224.2663, 80.0722

 2.2948, 8.9240,
0.0000

 180.0372,
271.5591, 105.2755

 0.7920, 4.6917,
0.0000

 220.3515,

 0.0000, 2.0675,

325.0728, 135.2796

0.0000

266.2749,
385.1919, 170.5031

■ 0.0000, 0.6463,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4846, 67.6629,
11.4197

■ 35.4846, 67.6629,
11.4197

■ 35.0587, 67.4505,
11.1715

■ 37.1724, 68.5088,
12.6838

■ 39.5622, 69.6855,
15.2937

■ 42.7369, 71.2322,
19.5066

■ 46.7648, 73.1796,
25.5253

■ 51.7058, 75.5549,
33.5225

■ 57.6144, 78.3828,
43.6509

■ 64.5404, 81.6861,
56.0481

■ 72.5301, 85.4858,
70.8403

■ 81.6269, 89.8018,
88.1441

Harmonies

Analogous

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



52.8808, 67.6629, 3.8672



35.4846, 67.6629, 11.4197



27.3184, 67.6629, 41.2091

Triad

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



35.4846, 67.6629, 11.4197



51.6585, 67.6629, 313.6325



125.6780, 67.6629, 43.9985

Complementary

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



35.4846, 67.6629, 11.4197



38.1214, 17.8423, 89.4340

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.



125.0911, 67.6629, 119.8401



35.4846, 67.6629, 11.4197



77.2811, 67.6629, 316.4700

Square

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



35.4846, 67.6629, 11.4197



34.7979, 67.6629, 224.3764



105.6136, 67.6629, 230.6158



107.0502, 67.6629, 12.2900

Rectangle

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



35.4846, 67.6629, 11.4197



26.3368, 67.6629, 84.5204



105.6136, 67.6629, 230.6158



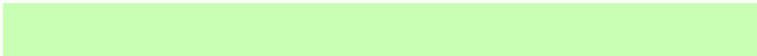
127.8510, 67.6629, 63.7965

Sweetspot

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



35.4862, 67.6657, 11.4212



67.5735, 86.9564, 56.9657



56.2294, 55.4446, 7.9690



13.7769, 18.2848, 10.9615



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.



35.4862, 67.6657, 11.4212



37.6714, 72.5053, 12.0095



34.3993, 66.9908, 16.5508



16.6520, 18.6627, 17.5222



18.6454, 35.7248, 5.9129



1.7268, 3.1853, 0.5238

Inverse Universe

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



38.1214, 17.8423, 89.4340



40.3529, 18.7176, 96.0938



47.4443, 23.5485, 49.2057



16.8050, 16.5576, 20.8528



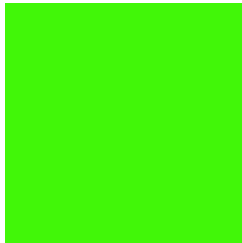
19.9958, 9.2825, 47.2758



1.8480, 0.8626, 4.1593

Previews

White Background



This preview shows how the XYZ color 35.4846, 67.6629, 11.4197 looks on a white background.

Color Contrast Check

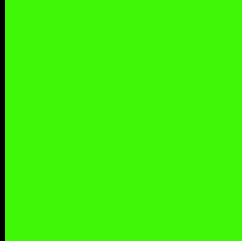
Large Text (above 18pt) WCAG AA × Fail

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 35.4846, 67.6629, 11.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

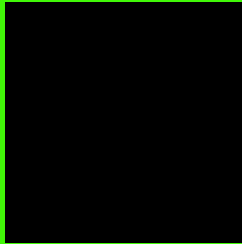
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.4846, 67.6629, 11.4197

Background



This preview shows how black text looks on a background with the XYZ color 35.4846, 67.6629, 11.4197.



This preview shows how white text looks on a background with the XYZ color 35.4846, 67.6629,

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

35.4846, 67.6629, 11.4197

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

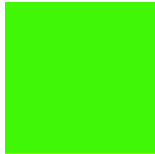
66.2230, 65.8018, 26.9800



Tritanopia

52.8478, 67.2929, 99.0104

Trichromacy



Original Color

35.4846, 67.6629, 11.4197



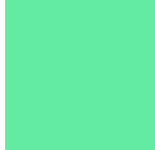
Protanomaly

44.8461, 63.0871, 9.8995



Deuteranomaly

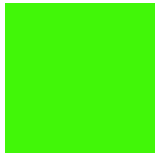
47.2542, 62.1900, 16.9105



Tritanomaly

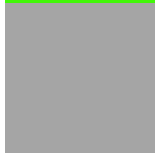
41.5741, 65.2168, 44.1151

Monochromacy



Original Color

35.4846, 67.6629, 11.4197



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.2751, 44.7801, 21.1824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4846, 67.6629, 11.4197 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(65, 247, 8)` looks like.

```
.text, #text, p{  
    color:rgb(65, 247, 8)  
}
```

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(65, 247, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 247, 8) }
```

Border

The CSS property to change the border of an element to XYZ 35.4846, 67.6629, 11.4197 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(65, 247, 8) }
```


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

```
.border{ border-color:rgb(65, 247, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 247, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 247, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 247, 8);  
box-shadow:4px 4px 4px 4px rgb(65, 247, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.4846, 67.6629, 11.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 247, 8) }
```

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

```
.background{ background-color: rgb(65, 247,  
8) }
```

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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