

Converting Colors

XYZ(35.3137, 56.7167, 18.4868)

Have a look what the booklet for
XYZ(35.3137, 56.7167, 18.4868)
contains.

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Color

**XYZ(35.3957, 56.8154,
18.5521)**

Conversions

Conversions Part 1

Format	Color
Hex	76DE59
RGB	118, 222, 89
RGB Percent	46%, 87%, 35%
CMY	0.5373, 0.1294, 0.6510
CMYK	0.47, 0.00, 0.60, 0.13
HSL	107°, 67%, 61%
HSV	107°, 60%, 87%
XYZ	35.3957, 56.8154, 18.5521
YIQ	175.7420, -19.2910, -63.4110

Conversions

Conversions Part 2

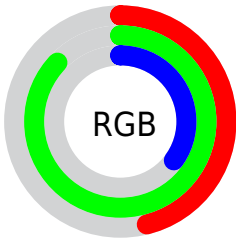
Format	Color
RYB	89, 222, 193
Decimal	7790169
CIELab	80.08, -54.39, 54.77
CIELCh	80, 77.190, 134.801
Yxy	56.8154, 0.3196, 0.5129
Android (android.graphics.Color)	4285980249 (0xFF76DE59)
YUV	175.7420, -42.7638, -50.6397
Hunter-Lab	75.3760, -48.0864, 38.1703

Details

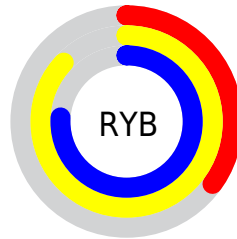
The XYZ color **35.3957, 56.8154, 18.5521** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **38.7524, 23.7580, 71.6536**, and the grayscale version is **41.3566, 43.5104, 47.3828**.

A 20% lighter version of the original color is **58.6224, 82.7333, 38.8660**, and **15.5981, 28.2521, 6.0699** is the 20% darker color. If you saturate the color by 10%, you get **32.4563, 55.3938, 14.2608**, and if you desaturate by 10%, it is **39.0528, 58.5780, 24.3464**.

Distribution



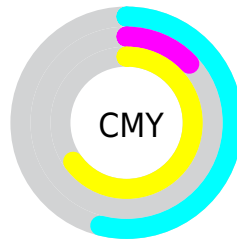
- Red (46%)
- Green (87%)
- Blue (35%)



- Red (35%)
- Yellow (87%)
- Blue (76%)



- Cyan (47%)
- Magenta (0%)
- Yellow (60%)
- Black (13%)



- Cyan (54%)
- Magenta (13%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3957, 56.8154, 18.5521 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 35.3957, 56.8154, 18.5521 by changing the saturation by 10% instead.

■ 35.3957, 56.8154,
18.5521

■ 35.3957, 56.8154,
18.5521

317.7890,
412.7572, 256.3046

■ 24.1358, 40.8571,
11.1736

■ 67.4283, 100.1958,
41.8024

■ 15.5597, 28.2074,
6.0681

■ 88.9317, 128.3866,
58.5113

■ 9.3020, 18.4821,
2.8171

■ 114.5803,
161.4237, 79.1674

■ 4.9973, 11.2966,
1.0020

■ 144.7395,
199.6915, 104.1892

■ 2.2804, 6.2667,
0.0000

179.7746,
243.5743, 133.9953

■ 0.7846, 3.0079,
0.0000

220.0510,

■ 0.0000, 1.1359,

293.4566, 169.0042

0.0000

265.9340,
349.7228, 209.6345

■ 0.0000, 0.0084,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.3957, 56.8154,
18.5521

■ 35.3957, 56.8154,
18.5521

■ 32.4563, 55.3938,
14.2608

■ 39.0528, 58.5780,
24.3464

■ 30.1805, 54.2831,
11.3297


■ 43.4684, 60.6948,
31.7614


■ 28.5125, 53.4598,
9.5956


■ 48.6850, 63.1870,
40.9078


■ 27.3690, 52.8874,
8.7716


■ 54.7406, 66.0720,
51.8853

 27.3604, 52.8831,
8.7654

 61.6708, 69.3663,
64.7859

 69.5089, 73.0852,
79.6958

 78.2868, 77.2431,
96.6955

 85.4124, 80.7249,
105.6875

Harmonies

Analogous

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



46.6488, 56.8154, 10.2628



35.3957, 56.8154, 18.5521



29.7882, 56.8154, 41.8463

Triad

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



35.3957, 56.8154, 18.5521



46.4651, 56.8154, 188.4731



88.7734, 56.8154, 42.2954

Complementary

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



35.3957, 56.8154, 18.5521



38.7524, 23.7580, 71.6536

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.



88.6977, 56.8154, 87.4183



35.3957, 56.8154, 18.5521



62.0885, 56.8154, 188.8003

Square

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



35.3957, 56.8154, 18.5521



35.2838, 56.8154, 145.0004



78.1964, 56.8154, 145.7519



78.3865, 56.8154, 18.7432

Rectangle

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



35.3957, 56.8154, 18.5521



29.1536, 56.8154, 69.3861



78.1964, 56.8154, 145.7519



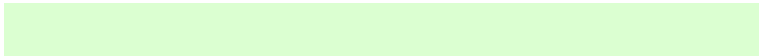
90.0273, 56.8154, 54.9031

Sweetspot

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



35.3971, 56.8178, 18.5534



76.5267, 91.2051, 73.9575



50.5533, 53.5006, 17.1142



15.8202, 19.2553, 14.8003



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.



35.3971, 56.8178, 18.5534



43.5198, 75.3874, 18.2863



33.9106, 55.8361, 28.2154



13.8068, 15.4806, 14.5671



16.3282, 31.4500, 5.2099



1.2077, 2.2191, 0.3647

Inverse Universe

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



38.7524, 23.7580, 71.6536



48.3448, 26.2203, 97.1207



42.6185, 26.2438, 49.5739



13.9873, 13.7770, 17.3097



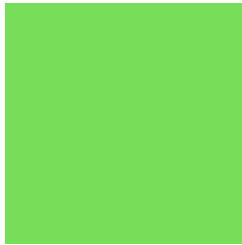
18.2450, 8.5009, 41.7276



1.3380, 0.6271, 2.8958

Previews

White Background



This preview shows how the XYZ color 35.3957, 56.8154, 18.5521 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 35.3957, 56.8154, 18.5521 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 35.3957, 56.8154, 18.5521

Background



This preview shows how black text looks on a background with the XYZ color 35.3957, 56.8154, 18.5521.



This preview shows how white text looks on a background with the XYZ color 35.3957, 56.8154,

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

35.3957, 56.8154, 18.5521

Protanopia

51.2323, 56.2130, 16.1326

Deuteranopia

57.1975, 55.9220, 19.5838



Tritanopia

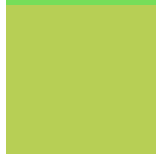
47.4742, 56.3876, 79.6159

Trichromacy



Original Color

35.3957, 56.8154, 18.5521



Protanomaly

43.4810, 55.3488, 16.9860



Deuteranomaly

46.0085, 54.1405, 18.8517



Tritanomaly

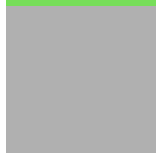
41.4622, 55.7914, 49.6578

Monochromacy



Original Color

35.3957, 56.8154, 18.5521



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.6216, 47.1221, 33.4982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3957, 56.8154, 18.5521 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(118, 222, 89)` looks like.

```
.text, #text, p{  
    color:rgb(118, 222, 89)  
}
```

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(118, 222, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 222, 89) }
```

Border

The CSS property to change the border of an element to XYZ 35.3957, 56.8154, 18.5521 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(118, 222, 89) }
```


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

```
.border{ border-color:rgb(118, 222, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 222, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 222, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 222, 89);  
box-shadow:4px 4px 4px 4px rgb(118, 222,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3957, 56.8154, 18.5521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 222, 89) }
```

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

```
.background{ background-color: rgb(118,  
222, 89) }
```

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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