

Converting Colors

XYZ(35.0918, 56.3816, 17.5767)

Have a look what the booklet for
XYZ(35.0918, 56.3816, 17.5767)
contains.

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Color

**XYZ(35.1039, 56.2907,
17.6094)**

Conversions

Conversions Part 1

Format	Color
Hex	77DD55
RGB	119, 221, 85
RGB Percent	47%, 87%, 33%
CMY	0.5333, 0.1333, 0.6666
CMYK	0.46, 0.00, 0.62, 0.13
HSL	105°, 67%, 60%
HSV	105°, 62%, 87%
XYZ	35.1039, 56.2907, 17.6094
YIQ	174.9980, -17.1360, -63.9200

Conversions

Conversions Part 2

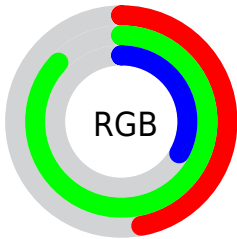
Format	Color
RYB	85, 221, 187
Decimal	7855445
CIELab	79.78, -54.10, 56.17
CIELCh	80, 77.989, 133.927
Yxy	56.2907, 0.3220, 0.5164
Android (android.graphics.Color)	4286045525 (0xFF77DD55)
YUV	174.9980, -44.3690, -49.1102
Hunter-Lab	75.0271, -47.7804, 38.6032

Details

The XYZ color **35.1039, 56.2907, 17.6094** 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 **36.7961, 22.2842, 70.7716**, and the grayscale version is **40.9767, 43.1106, 46.9475**.

A 20% lighter version of the original color is **58.5517, 82.7312, 37.3088**, and **15.3979, 27.8889, 5.6085** is the 20% darker color. If you saturate the color by 10%, you get **32.2798, 54.9226, 13.5884**, and if you desaturate by 10%, it is **38.6016, 57.9778, 23.0951**.

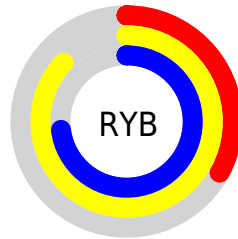
Distribution



Red (47%)

Green (87%)

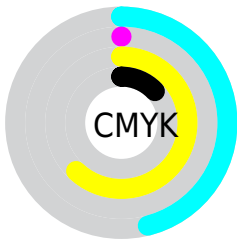
Blue (33%)



Red (33%)

Yellow (87%)

Blue (73%)

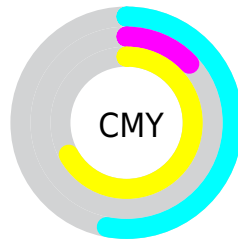


Cyan (46%)

Magenta (0%)

Yellow (62%)

Black (13%)



Cyan (53%)

Magenta (13%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1039, 56.2907, 17.6094 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 35.1039, 56.2907, 17.6094 by changing the saturation by 10% instead.

35.1039, 56.2907,
17.6094

35.1039, 56.2907,
17.6094

316.5267,
410.7861, 250.8219

23.9098, 40.4360,
10.5034

66.9797, 99.4295,
40.1755

15.3911, 27.8787,
5.6240

88.3920, 127.4824,
56.4727

9.1824, 18.2342,
2.5528

113.9412,
160.3702, 76.6707

4.9184, 11.1183,
0.8679

143.9926,
198.4773, 101.1881

2.2337, 6.1465,
0.0000

178.9114,
242.1880, 130.4433

0.7604, 2.9343,
0.0000

219.0632,

0.0000, 1.0975,

291.8868, 164.8550

0.0000

264.8131,
347.9580, 204.8417

■ 0.0000, 0.0000,
0.0000

■ 35.1039, 56.2907,
17.6094

■ 35.1039, 56.2907,
17.6094

■ 32.2798, 54.9226,
13.5884

■ 38.6016, 57.9778,
23.0951

■ 30.0782, 53.8452,
10.8878

■ 42.8111, 59.9957,
30.1644

■ 28.4462, 53.0364,
9.3407

■ 47.7723, 62.3645,
38.9281

■ 27.4466, 52.5343,
8.6936

■ 53.5208, 65.1002,
49.4862

■ 60.0900, 68.2181,
61.9308

■ 67.5112, 71.7324,
76.3478

■ 75.8139, 75.6567,
92.8177

■ 83.9107, 79.5576,
105.5413

■ 85.1476, 80.1952,
105.5992

Harmonies

Analogous

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



46.5317, 56.2907, 9.7378



35.1039, 56.2907, 17.6094



29.3355, 56.2907, 40.2550

Triad

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



35.1039, 56.2907, 17.6094



45.5390, 56.2907, 188.3298



88.6586, 56.2907, 42.6766

Complementary

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



35.1039, 56.2907, 17.6094



36.7961, 22.2842, 70.7716

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.



88.2475, 56.2907, 88.6145



35.1039, 56.2907, 17.6094



61.1371, 56.2907, 190.1152

Square

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



35.1039, 56.2907, 17.6094



34.5008, 56.2907, 143.4266



77.4147, 56.2907, 147.5200



78.4469, 56.2907, 18.6302

Rectangle

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



35.1039, 56.2907, 17.6094



28.5954, 56.2907, 67.4319



77.4147, 56.2907, 147.5200



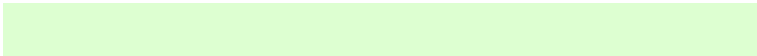
89.8120, 56.2907, 55.5347

Sweetspot

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



35.1052, 56.2931, 17.6106



76.9701, 91.4337, 73.9782



49.2312, 51.5713, 15.9547



15.9267, 19.3102, 14.8053



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.



35.1052, 56.2931, 17.6106



43.6228, 75.4588, 17.4666



32.9343, 54.9787, 26.3303



13.1900, 14.7627, 13.8799



16.0312, 30.5619, 5.0541



1.1175, 2.0206, 0.3311

Inverse Universe

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



36.7961, 22.2842, 70.7716



45.9806, 24.5369, 96.9204



42.0391, 25.4586, 49.7144



13.2800, 13.1025, 16.4812



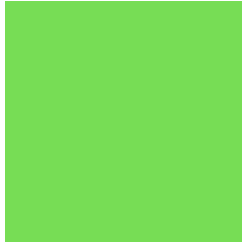
16.7960, 7.7828, 40.3554



1.1650, 0.5438, 2.6180

Previews

White Background



This preview shows how the XYZ color 35.1039, 56.2907, 17.6094 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 35.1039, 56.2907, 17.6094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

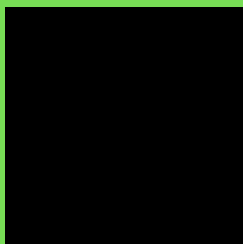
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.1039, 56.2907, 17.6094

Background



This preview shows how black text looks on a background with the XYZ color 35.1039, 56.2907, 17.6094.

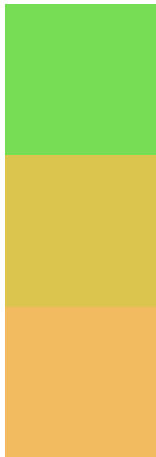


This preview shows how white text looks on a background with the XYZ color 35.1039, 56.2907,

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

35.1039, 56.2907, 17.6094

Protanopia

50.5548, 55.5426, 15.2640

Deuteranopia

56.4538, 55.2441, 18.5142



Tritanopia

47.2690, 55.9368, 78.8265

Trichromacy



Original Color

35.1039, 56.2907, 17.6094



Protanomaly

43.0849, 54.8040, 16.0920



Deuteranomaly

45.3377, 53.4725, 17.8292



Tritanomaly

41.0780, 55.2550, 48.0354

Monochromacy



Original Color

35.1039, 56.2907, 17.6094



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.2497, 46.6208, 32.6266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1039, 56.2907, 17.6094 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(119, 221, 85)` looks like.

```
.text, #text, p{  
    color:rgb(119, 221, 85)  
}
```

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(119, 221, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 221, 85) }
```

Border

The CSS property to change the border of an element to XYZ 35.1039, 56.2907, 17.6094 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(119, 221, 85) }
```


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

```
.border{ border-color:rgb(119, 221, 85) }
```

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

Here you see how a box with a 4 pixel rgb(119, 221, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 221, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 221, 85);  
box-shadow:4px 4px 4px 4px rgb(119, 221,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1039, 56.2907, 17.6094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 221, 85) }
```

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

```
.background{ background-color: rgb(119,  
221, 85) }
```

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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