

Converting Colors

XYZ(35.4161, 58.3831, 17.6938)

Have a look what the booklet for
XYZ(35.4161, 58.3831, 17.6938)
contains.

| | |
|--|----|
| XYZ(35.4787, 58.4776, 17.8049) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(35.4787, 58.4776,
17.8049)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 70E254 |
| RGB | 112, 226, 84 |
| RGB Percent | 44%, 89%, 33% |
| CMY | 0.5608, 0.1137, 0.6706 |
| CMYK | 0.50, 0.00, 0.63, 0.11 |
| HSL | 108°, 71%, 61% |
| HSV | 108°, 63%, 89% |
| XYZ | 35.4787, 58.4776, 17.8049 |
| YIQ | 175.7260, -22.3620, -68.3300 |

Conversions

Conversions Part 2

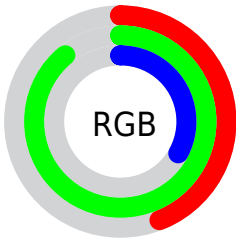
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 84, 226, 198 |
| Decimal | 7397972 |
| CIELab | 81.00, -58.11, 57.88 |
| CIElCh | 81, 82.017, 135.114 |
| Yxy | 58.4776, 0.3175, 0.5232 |
| Android (android.graphics.Color) | 4285588052 (0xFF70E254) |
| YUV | 175.7260, -45.2209, -55.8877 |
| Hunter-Lab | 76.4706, -51.0082, 39.7248 |

Details

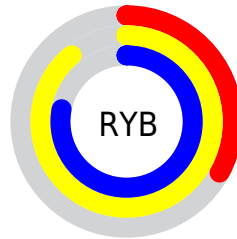
The XYZ color **35.4787, 58.4776, 17.8049** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **40.1898, 23.8395, 74.4380**, and the grayscale version is **41.3618, 43.5159, 47.3888**.

A 20% lighter version of the original color is **57.2148, 82.0420, 37.2463**, and **15.6769, 29.4005, 5.7683** is the 20% darker color. If you saturate the color by 10%, you get **32.6521, 57.1085, 13.7742**, and if you desaturate by 10%, it is **39.0588, 60.2057, 23.3634**.

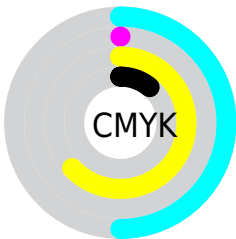
Distribution



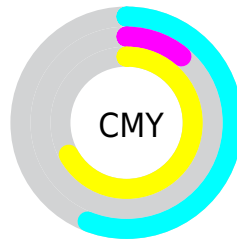
- Red (44%)
- Green (89%)
- Blue (33%)



- Red (33%)
- Yellow (89%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (63%)
- Black (11%)




- Cyan (56%)
- Magenta (11%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4787, 58.4776, 17.8049 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 35.4787, 58.4776, 17.8049 by changing the saturation by 10% instead.


 35.4787, 58.4776,
17.8049


 35.4787, 58.4776,
17.8049


318.1474,
418.9632, 251.9681


 24.2001, 42.1927,
10.6420


 67.5558, 102.6180,
40.5140


 15.6077, 29.2522,
5.7155


 89.0851, 131.2424,
56.8974

 9.3360, 19.2717,
2.6069


 114.7619,
164.7487, 77.1913

 5.0199, 11.8668,
0.8960

 144.9517,
203.5213, 101.8143

 2.2938, 6.6530,
0.0000

180.0198,
247.9447, 131.1849

 0.7915, 3.2461,
0.0000

220.3315,

 0.0000, 1.2615,

298.4032, 165.7217

0.0000

266.2523,
355.2813, 205.8433

■ 0.0000, 0.1111,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4787, 58.4776,
17.8049

■ 35.4787, 58.4776,
17.8049

■ 32.6521, 57.1085,
13.7742

■ 39.0588, 60.2057,
23.3634

■ 30.5181, 56.0650,
11.1156


■ 43.4389, 62.3085,
30.5778


■ 29.0124, 55.3198,
9.6469


■ 48.6663, 64.8098,
39.5670


■ 28.2604, 54.9431,
9.1156

■ 54.7834, 67.7290,
50.4380

 61.8298, 71.0844,
63.2892

 69.8426, 74.8932,
78.2124

 78.8568, 79.1714,
95.2933

 86.4876, 82.8752,
106.0459

Harmonies

Analogous

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



47.4817, 58.4776, 9.2964



35.4787, 58.4776, 17.8049



29.5847, 58.4776, 42.5119

Triad

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



35.4787, 58.4776, 17.8049



47.5948, 58.4776, 203.8853



93.5152, 58.4776, 42.2378

Complementary

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



35.4787, 58.4776, 17.8049



40.1898, 23.8395, 74.4380

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.



93.5628, 58.4776, 90.8959



35.4787, 58.4776, 17.8049



64.5531, 58.4776, 203.6761

Square

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



35.4787, 58.4776, 17.8049



35.5469, 58.4776, 155.7713



82.1252, 58.4776, 155.2939



82.0060, 58.4776, 17.6926

Rectangle

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



35.4787, 58.4776, 17.8049



28.9538, 58.4776, 72.3920



82.1252, 58.4776, 155.2939



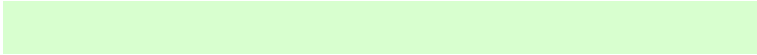
94.9386, 58.4776, 55.6822

Sweetspot

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



35.4801, 58.4801, 17.8062



75.3166, 90.6175, 72.2648



53.0696, 57.0172, 16.5968



15.5709, 19.1338, 14.4712



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.



35.4801, 58.4801, 17.8062



42.0963, 74.6804, 17.0093



34.6592, 57.8022, 29.2740



13.7798, 15.4667, 14.5659



16.1982, 31.3830, 5.2038



1.1950, 2.2125, 0.3641

Inverse Universe

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



40.1898, 23.8395, 74.4380



48.5722, 25.6555, 96.9997



43.1255, 25.9466, 47.7560



14.0164, 13.7920, 17.3111



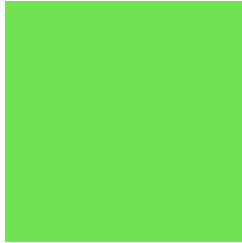
18.8605, 8.8182, 41.7564



1.3757, 0.6465, 2.8975

Previews

White Background



This preview shows how the XYZ color 35.4787, 58.4776, 17.8049 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 35.4787, 58.4776, 17.8049 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 35.4787, 58.4776, 17.8049

Background



This preview shows how black text looks on a background with the XYZ color 35.4787, 58.4776, 17.8049.



This preview shows how white text looks on a background with the XYZ color 35.4787, 58.4776,

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

35.4787, 58.4776, 17.8049

Protanopia

52.4253, 57.5324, 15.3629

Deuteranopia

58.4850, 57.2460, 18.7936



Tritanopia

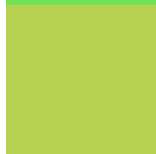
48.5016, 58.3196, 82.8292

Trichromacy



Original Color

35.4787, 58.4776, 17.8049



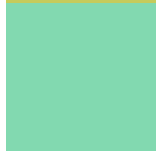
Protanomaly

43.7769, 56.2474, 16.1390



Deuteranomaly

46.2702, 55.3375, 18.1400



Tritanomaly

41.8552, 57.5061, 49.9681

Monochromacy



Original Color

35.4787, 58.4776, 17.8049



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.3866, 47.3390, 33.1535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4787, 58.4776, 17.8049 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(112, 226, 84)` looks like.

```
.text, #text, p{  
    color:rgb(112, 226, 84)  
}
```

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(112, 226, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 226, 84) }
```

Border

The CSS property to change the border of an element to XYZ 35.4787, 58.4776, 17.8049 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(112, 226, 84) }
```


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

```
.border{ border-color:rgb(112, 226, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 226, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 226, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 226, 84);  
box-shadow:4px 4px 4px 4px rgb(112, 226,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4787, 58.4776, 17.8049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 226, 84) }
```

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

```
.background{ background-color: rgb(112,  
226, 84) }
```

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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