

Converting Colors

XYZ(35.8398, 58.7967, 30.1973)

Have a look what the booklet for
XYZ(35.8398, 58.7967, 30.1973)
contains.

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Color

**XYZ(35.8452, 58.7985,
30.2289)**

Conversions

Conversions Part 1

Format	Color
Hex	5CE381
RGB	92, 227, 129
RGB Percent	36%, 89%, 51%
CMY	0.6392, 0.1098, 0.4941
CMYK	0.59, 0.00, 0.43, 0.11
HSL	136°, 71%, 63%
HSV	136°, 59%, 89%
XYZ	35.8452, 58.7985, 30.2289
YIQ	175.4630, -49.0020, -59.0980

Conversions

Conversions Part 2

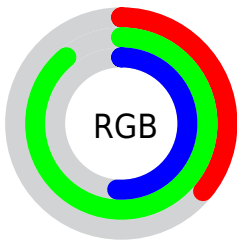
Format	Color
RYB	92, 198, 227
Decimal	6087553
CIELab	81.18, -57.64, 37.08
CIELCh	81, 68.536, 147.245
Yxy	58.7985, 0.2871, 0.4709
Android (android.graphics.Color)	4284277633 (0xFF5CE381)
YUV	175.4630, -22.9063, -73.1971
Hunter-Lab	76.6802, -50.7480, 30.3028

Details

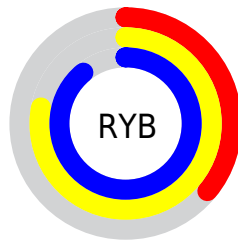
The XYZ color **35.8452, 58.7985, 30.2289** is a light color, and the websafe version is hex **33CC66**. The color can be described as light muted spring green. A complement of this color would be **44.8018, 27.7040, 51.7032**, and the grayscale version is **41.1223, 43.2638, 47.1143**.

A 20% lighter version of the original color is **57.4441, 81.7112, 57.5440**, and **15.7499, 29.2995, 12.0330** is the 20% darker color. If you saturate the color by 10%, you get **32.8998, 57.3983, 24.8276**, and if you desaturate by 10%, it is **39.6494, 60.6244, 36.5951**.

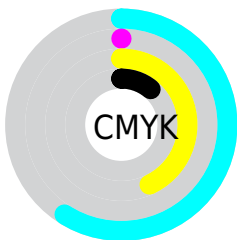
Distribution



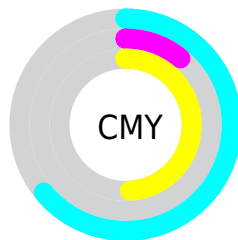
- Red (36%)
- Green (89%)
- Blue (51%)



- Red (36%)
- Yellow (78%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)





- Cyan (64%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8452, 58.7985, 30.2289 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 35.8452, 58.7985, 30.2289 by changing the saturation by 10% instead.


 35.8452, 58.7985,
30.2289


 35.8452, 58.7985,
30.2289


319.7265,
420.1548, 317.2104


 24.4842, 42.4509,
19.7589


 68.1185, 103.0847,
61.0893


 15.8199, 29.4545,
12.0376


 89.7615, 131.7922,
82.3167

 9.4868, 19.4249,
6.6464


 115.5626,
165.3885, 107.9670

 5.1197, 11.9777,
3.1669

 145.8871,
204.2578, 138.4587

 2.3531, 6.7285,
1.1805

181.1004,
248.7848, 174.2103

 0.8216, 3.2929,
0.0000

221.5678,

 0.0000, 1.2865,

299.3536, 215.6405

0.0000

267.6547,
356.3488, 263.1676

■ 0.0000, 0.1307,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8452, 58.7985,
30.2289

■ 35.8452, 58.7985,
30.2289

■ 32.8998, 57.3983,
24.8276

■ 39.6494, 60.6244,
36.5951

■ 30.7376, 56.3807,
20.3398


■ 44.3710, 62.9001,
43.9663


■ 29.2766, 55.7062,
16.7150


■ 50.0681, 65.6567,
52.3851


■ 28.3849, 55.3081,
13.8950


■ 56.7930, 68.9201,
61.8907

 28.3457, 55.2906,
13.7668

 64.5940, 72.7145,
72.5199

 73.5163, 77.0624,
84.3080

 83.6026, 81.9852,
97.2886

 86.7602, 83.4205,
106.1367

Harmonies

Analogous

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



44.2452, 58.7985, 16.4967



35.8452, 58.7985, 30.2289



32.7202, 58.7985, 60.3195

Triad

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



35.8452, 58.7985, 30.2289



54.5781, 58.7985, 178.9200



83.9940, 58.7985, 34.3704

Complementary

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



35.8452, 58.7985, 30.2289



44.8018, 27.7040, 51.7032

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.



88.0079, 58.7985, 67.8721



35.8452, 58.7985, 30.2289



69.4085, 58.7985, 162.3467

Square

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



35.8452, 58.7985, 30.2289



42.3196, 58.7985, 155.4261



82.2760, 58.7985, 116.6280



72.0805, 58.7985, 18.0733

Rectangle

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



35.8452, 58.7985, 30.2289



33.5683, 58.7985, 90.2507



82.2760, 58.7985, 116.6280



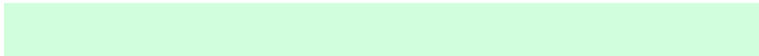
86.3916, 58.7985, 43.4411

Sweetspot

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



35.8467, 58.8009, 30.2302



75.2248, 90.3467, 82.3565



50.8888, 66.7900, 20.3353



15.5101, 19.0507, 16.8077



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.



35.8467, 58.8009, 30.2302



42.1912, 74.4183, 31.0674



41.7914, 61.1788, 61.5349



14.3508, 16.1537, 16.1121



16.5728, 32.2612, 8.2507



1.2629, 2.3993, 0.8112

Inverse Universe

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



44.8018, 27.7040, 51.7032



54.7507, 30.5770, 61.0138



39.1139, 25.4289, 21.7510



14.8177, 14.5443, 17.2405



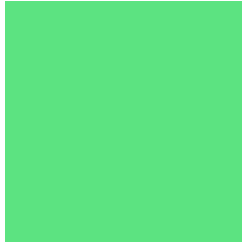
22.4760, 11.1246, 21.9334



1.6995, 0.8375, 1.8242

Previews

White Background



This preview shows how the XYZ color 35.8452, 58.7985, 30.2289 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 35.8452, 58.7985, 30.2289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

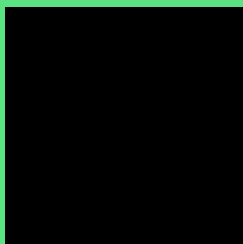
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

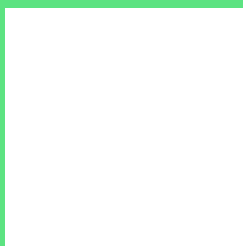
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8452, 58.7985, 30.2289

Background



This preview shows how black text looks on a background with the XYZ color 35.8452, 58.7985, 30.2289.

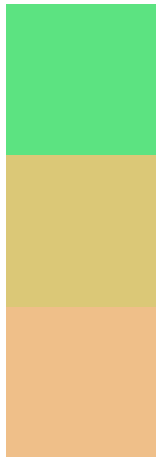


This preview shows how white text looks on a background with the XYZ color 35.8452, 58.7985,

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

35.8452, 58.7985, 30.2289

Protanopia

53.1975, 57.7005, 25.7863

Deuteranopia

58.7428, 57.4185, 31.6537



Tritanopia

46.7511, 58.4920, 85.1700

Trichromacy



Original Color

35.8452, 58.7985, 30.2289



Protanomaly

43.8553, 56.4075, 27.3152



Deuteranomaly

46.1456, 55.3461, 30.8050



Tritanomaly

41.6123, 57.9182, 60.6159

Monochromacy



Original Color

35.8452, 58.7985, 30.2289



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.1404, 47.0719, 39.4760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8452, 58.7985, 30.2289 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(92, 227, 129)` looks like.

```
.text, #text, p{  
    color:rgb(92, 227, 129)  
}
```

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(92, 227, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 227, 129) }
```

Border

The CSS property to change the border of an element to XYZ 35.8452, 58.7985, 30.2289 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(92, 227, 129) }
```


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

```
.border{ border-color:rgb(92, 227, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 227, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 227, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 227, 129);  
box-shadow:4px 4px 4px 4px rgb(92, 227,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8452, 58.7985, 30.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 227, 129) }
```

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

```
.background{ background-color: rgb(92, 227,  
129) }
```

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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