

Converting Colors

XYZ(33.5063, 57.1807, 28.4200)

Have a look what the booklet for
XYZ(33.5063, 57.1807, 28.4200)
contains.

| | |
|--|----|
| XYZ(33.5069, 57.2257, 28.3484) | 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(33.5069, 57.2257,
28.3484)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 48E27C |
| RGB | 72, 226, 124 |
| RGB Percent | 28%, 89%, 49% |
| CMY | 0.7176, 0.1137, 0.5137 |
| CMYK | 0.68, 0.00, 0.45, 0.11 |
| HSL | 140°, 73%, 58% |
| HSV | 140°, 68%, 89% |
| XYZ | 33.5069, 57.2257, 28.3484 |
| YIQ | 168.3260, -59.0420, -64.3700 |

Conversions

Conversions Part 2

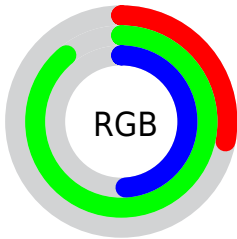
| Format | Color |
|-------------------------------------|--|
| RYB | 72, 187, 226 |
| Decimal | 4776572 |
| CIELab | 80.31, -61.90, 38.34 |
| CIELCh | 80, 72.812, 148.229 |
| Yxy | 57.2257, 0.2814, 0.4806 |
| Android (android.graphics.Color) | 4282966652 (0xFF48E27C) |
| YUV | 168.3260, -21.8527, -84.4779 |
| Hunter-Lab | 75.6477, -53.3198, 30.7349 |

Details

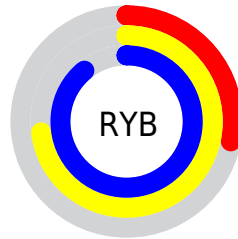
The XYZ color **33.5069, 57.2257, 28.3484** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **41.3231, 23.8605, 42.4735**, and the grayscale version is **37.5058, 39.4590, 42.9709**.

A 20% lighter version of the original color is **54.1124, 80.0527, 54.7192**, and **15.3906, 28.8570, 11.0621** is the 20% darker color. If you saturate the color by 10%, you get **31.2457, 56.1628, 23.6712**, and if you desaturate by 10%, it is **36.5337, 58.6698, 33.8141**.

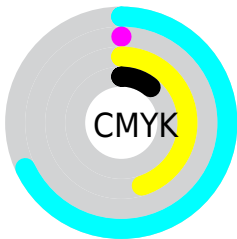
Distribution



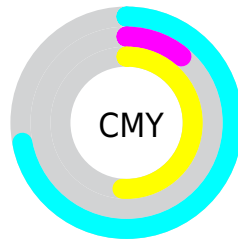
- Red (28%)
- Green (89%)
- Blue (49%)



- Red (28%)
- Yellow (73%)
- Blue (89%)



- Cyan (68%)
- Magenta (0%)
- Yellow (45%)
- Black (11%)





- Cyan (72%)
- Magenta (11%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5069, 57.2257, 28.3484 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 33.5069, 57.2257, 28.3484 by changing the saturation by 10% instead.


 33.5069, 57.2257,
28.3484


 33.5069, 57.2257,
28.3484


309.5525,
414.2945, 308.0921


 22.6761, 41.1865,
18.3471


 64.5155, 100.7944,
58.0700


 14.4739, 28.4648,
11.0275


 85.4241, 129.0927,
78.6274

 8.5349, 18.6763,
5.9709


 110.4226,
162.2462, 103.5405

 4.4938, 11.4366,
2.7589

 139.8765,
200.6392, 133.2280

 1.9851, 6.3613,
0.9729

174.1511,
244.6561, 168.1084

 0.6256, 3.0660,
0.0000

213.6117,

 0.0000, 1.1663,

294.6814, 208.6002

0.0000

258.6237,
351.0994, 255.1219

■ 0.0000, 0.0339,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5069, 57.2257,
28.3484

■ 33.5069, 57.2257,
28.3484

■ 31.2457, 56.1628,
23.6712

■ 36.5337, 58.6698,
33.8141

■ 29.6675, 55.4346,
19.7412


■ 40.3886, 60.5220,
40.0992


■ 28.6648, 54.9880,
16.5183


■ 45.1325, 62.8145,
47.2374


■ 28.5129, 54.9211,
15.9928

■ 50.8188, 65.5742,
55.2595

 57.4971, 68.8262,
64.1947

 65.2129, 72.5932,
74.0707

 74.0093, 76.8970,
84.9142

 83.9264, 81.7578,
96.7506

 86.4875, 82.8750,
106.0458

Harmonies

Analogous

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



41.9456, 57.2257, 14.3983



33.5069, 57.2257, 28.3484



30.5062, 57.2257, 59.8103

Triad

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



33.5069, 57.2257, 28.3484



53.5117, 57.2257, 185.3942



83.7060, 57.2257, 31.0236

Complementary

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



33.5069, 57.2257, 28.3484



41.3231, 23.8605, 42.4735

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.



88.3072, 57.2257, 64.8765



33.5069, 57.2257, 28.3484



69.0833, 57.2257, 166.0238

Square

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



33.5069, 57.2257, 28.3484



40.6706, 57.2257, 161.2031



82.5327, 57.2257, 116.1987



70.8955, 57.2257, 15.3734

Rectangle

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



33.5069, 57.2257, 28.3484



31.4841, 57.2257, 91.6285



82.5327, 57.2257, 116.1987



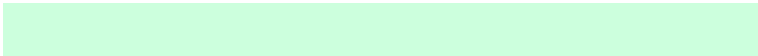
86.3564, 57.2257, 40.0242

Sweetspot

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



33.5083, 57.2280, 28.3497



73.7424, 89.5896, 81.9669



45.9724, 63.9387, 16.0495



15.2393, 18.9106, 16.8210



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.



33.5083, 57.2280, 28.3497



40.0641, 73.3713, 28.7281



40.3349, 59.9586, 64.2976



13.7188, 15.4132, 15.5543



16.3157, 31.3511, 9.3854



1.1717, 2.1894, 0.8653

Inverse Universe

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



41.3231, 23.8605, 42.4735



50.9062, 26.6834, 48.0319



35.8718, 21.6799, 13.7674



14.0880, 13.8528, 16.2338



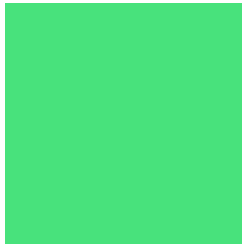
21.0770, 10.4978, 17.6030



1.5022, 0.7442, 1.4374

Previews

White Background



This preview shows how the XYZ color 33.5069, 57.2257, 28.3484 looks on a white background.

Color Contrast Check

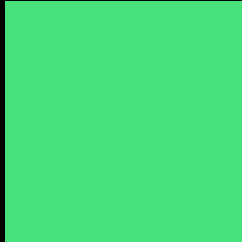
Large Text (above 18pt) WCAG AA × Fail

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 33.5069, 57.2257, 28.3484 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 33.5069, 57.2257, 28.3484

Background



This preview shows how black text looks on a background with the XYZ color 33.5069, 57.2257, 28.3484.

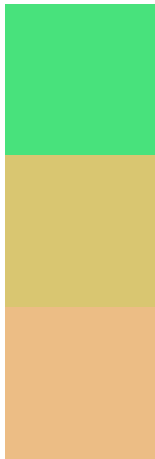


This preview shows how white text looks on a background with the XYZ color 33.5069, 57.2257,

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

33.5069, 57.2257, 28.3484

Protanopia

51.7900, 56.3321, 23.7663

Deuteranopia

57.0233, 55.9215, 29.9788



Tritanopia

44.6547, 57.0508, 84.2597

Trichromacy



Original Color

33.5069, 57.2257, 28.3484



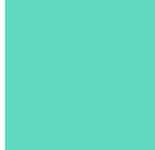
Protanomaly

41.0766, 54.2886, 25.1434



Deuteranomaly

43.0543, 53.0829, 29.0959



Tritanomaly

39.3051, 56.3815, 58.6803

Monochromacy



Original Color

33.5069, 57.2257, 28.3484



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.5380, 43.6487, 36.3632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5069, 57.2257, 28.3484 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(72, 226, 124)` looks like.

```
.text, #text, p{  
    color:rgb(72, 226, 124)  
}
```

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(72, 226, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 226, 124) }
```

Border

The CSS property to change the border of an element to XYZ 33.5069, 57.2257, 28.3484 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(72, 226, 124) }
```


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

```
.border{ border-color:rgb(72, 226, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 226, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 226, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 226, 124);  
box-shadow:4px 4px 4px 4px rgb(72, 226,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5069, 57.2257, 28.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 226, 124) }
```

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

```
.background{ background-color: rgb(72, 226,  
124) }
```

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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