

Converting Colors

XYZ(33.5560, 57.2098, 30.1853)

Have a look what the booklet for
XYZ(33.5560, 57.2098, 30.1853)
contains.

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Color

**XYZ(33.5427, 57.2066,
30.0430)**

Conversions

Conversions Part 1

Format	Color
Hex	44E281
RGB	68, 226, 129
RGB Percent	27%, 89%, 51%
CMY	0.7333, 0.1137, 0.4941
CMYK	0.70, 0.00, 0.43, 0.11
HSL	143°, 73%, 58%
HSV	143°, 70%, 89%
XYZ	33.5427, 57.2066, 30.0430
YIQ	167.7000, -63.0310, -63.6630

Conversions

Conversions Part 2

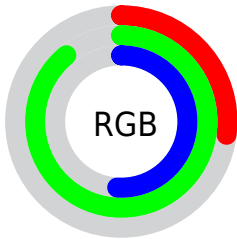
Format	Color
RYB	68, 182, 226
Decimal	4514433
CIELab	80.30, -61.73, 35.82
CIElCh	80, 71.371, 149.873
Yxy	57.2066, 0.2777, 0.4736
Android (android.graphics.Color)	4282704513 (0xFF44E281)
YUV	167.7000, -19.0791, -87.4369
Hunter-Lab	75.6350, -53.2000, 29.3939

Details

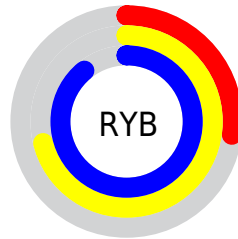
The XYZ color **33.5427, 57.2066, 30.0430** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **40.2245, 23.0207, 37.9227**, and the grayscale version is **37.1863, 39.1229, 42.6049**.

A 20% lighter version of the original color is **54.2989, 80.0898, 57.3968**, and **15.5631, 28.9260, 11.9707** is the 20% darker color. If you saturate the color by 10%, you get **31.3993, 56.2026, 25.4515**, and if you desaturate by 10%, it is **36.4215, 58.5783, 35.3252**.

Distribution



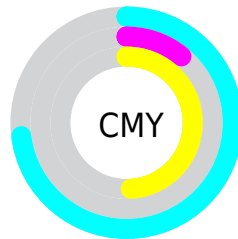
- Red (27%)
- Green (89%)
- Blue (51%)



- Red (27%)
- Yellow (71%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)





- Cyan (73%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5427, 57.2066, 30.0430 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 33.5427, 57.2066, 30.0430 by changing the saturation by 10% instead.


 33.5427, 57.2066,
30.0430


 33.5427, 57.2066,
30.0430


309.7100,
414.2230, 316.3184


 22.7037, 41.1711,
19.6189


 64.5709, 100.7666,
60.7920


 14.4944, 28.4528,
11.9370


 85.4909, 129.0599,
81.9539

 8.5493, 18.6673,
6.5788


 110.5019,
162.2079, 107.5323

 4.5031, 11.4301,
3.1257

 139.9693,
200.5951, 137.9455

 1.9905, 6.3569,
1.1592

174.2585,
244.6058, 173.6122

 0.6286, 3.0633,
0.0000

213.7347,

 0.0000, 1.1649,

294.6244, 214.9509

0.0000

258.7635,
351.0354, 262.3801

■ 0.0000, 0.0327,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5427, 57.2066,
30.0430

■ 33.5427, 57.2066,
30.0430

■ 31.3993, 56.2026,
25.4515

■ 36.4215, 58.5783,
35.3252

■ 29.9076, 55.5192,
21.5169


■ 40.0984, 60.3449,
41.3221


■ 28.9357, 55.0904,
18.2064


■ 44.6342, 62.5388,
48.0610


■ 28.9281, 55.0871,
18.1795


■ 50.0822, 65.1868,
55.5669

 56.4913, 68.3139,
63.8633

 63.9068, 71.9427,
72.9728

 72.3710, 76.0949,
82.9169

 81.9238, 80.7904,
93.7165

 86.3072, 82.8028,
105.0970

Harmonies

Analogous

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



41.5652, 57.2066, 15.3710



33.5427, 57.2066, 30.0430



30.8712, 57.2066, 62.1099

Triad

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



33.5427, 57.2066, 30.0430



54.3108, 57.2066, 182.0966



82.5018, 57.2066, 30.2336

Complementary

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



33.5427, 57.2066, 30.0430



40.2245, 23.0207, 37.9227

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.



87.5211, 57.2066, 62.4670



33.5427, 57.2066, 30.0430



69.5740, 57.2066, 161.1357

Square

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



33.5427, 57.2066, 30.0430



41.4750, 57.2066, 160.7994



82.4195, 57.2066, 111.9325



69.7014, 57.2066, 15.4414

Rectangle

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



33.5427, 57.2066, 30.0430



32.0306, 57.2066, 93.7791



82.4195, 57.2066, 111.9325



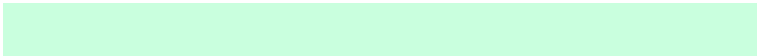
85.2471, 57.2066, 38.7779

Sweetspot

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



33.5441, 57.2089, 30.0443



73.1700, 89.2806, 82.5709



43.8490, 62.8585, 15.2911



15.1417, 18.8560, 17.0096



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.



33.5441, 57.2089, 30.0443



40.2728, 73.4298, 30.9531



40.9139, 60.1568, 68.8528



13.7467, 15.4244, 15.7014



16.5568, 31.4476, 10.6549



1.1905, 2.1969, 0.9643

Inverse Universe

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



40.2245, 23.0207, 37.9227



49.5016, 25.8223, 41.5578



35.1299, 20.9829, 11.0951



14.0591, 13.8413, 16.0813



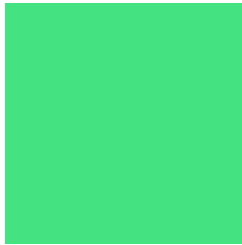
20.6011, 10.3074, 15.0968



1.4714, 0.7318, 1.2750

Previews

White Background



This preview shows how the XYZ color 33.5427, 57.2066, 30.0430 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 33.5427, 57.2066, 30.0430 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 33.5427, 57.2066, 30.0430

Background



This preview shows how black text looks on a background with the XYZ color 33.5427, 57.2066, 30.0430.

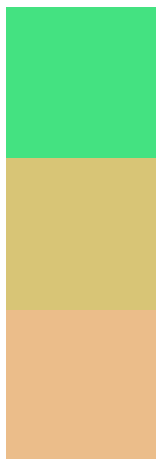


This preview shows how white text looks on a background with the XYZ color 33.5427, 57.2066,

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

33.5427, 57.2066, 30.0430

Protanopia

51.5552, 55.8394, 25.2004

Deuteranopia

57.0460, 55.8923, 31.8264



Tritanopia

44.1793, 56.8057, 84.2374

Trichromacy



Original Color

33.5427, 57.2066, 30.0430



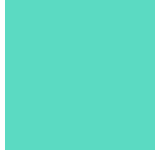
Protanomaly

40.9690, 54.1983, 26.7144



Deuteranomaly

42.9493, 52.9890, 30.8859



Tritanomaly

39.1234, 56.2620, 59.8366

Monochromacy



Original Color

33.5427, 57.2066, 30.0430



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.5461, 43.6338, 37.2260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5427, 57.2066, 30.0430 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(68, 226, 129)` looks like.

```
.text, #text, p{  
    color:rgb(68, 226, 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(68, 226, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 226, 129) }
```

Border

The CSS property to change the border of an element to XYZ 33.5427, 57.2066, 30.0430 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(68, 226, 129) }
```


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

```
.border{ border-color:rgb(68, 226, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 226, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 226, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 226, 129);  
box-shadow:4px 4px 4px 4px rgb(68, 226,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5427, 57.2066, 30.0430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 226, 129) }
```

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

```
.background{ background-color: rgb(68, 226,  
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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