

Converting Colors

XYZ(33.5515, 56.2702, 33.2737)

Have a look what the booklet for
XYZ(33.5515, 56.2702, 33.2737)
contains.

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Color

**XYZ(33.5578, 56.3396,
33.1507)**

Conversions

Conversions Part 1

Format	Color
Hex	43E08A
RGB	67, 224, 138
RGB Percent	26%, 88%, 54%
CMY	0.7372, 0.1216, 0.4588
CMYK	0.70, 0.00, 0.38, 0.12
HSL	147°, 72%, 57%
HSV	147°, 70%, 88%
XYZ	33.5578, 56.3396, 33.1507
YIQ	167.2530, -65.9660, -60.0300

Conversions

Conversions Part 2

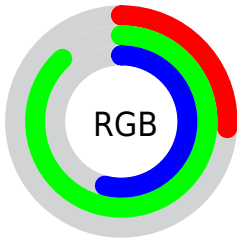
Format	Color
RYB	67, 175, 224
Decimal	4448394
CIELab	79.81, -59.57, 30.64
CIELCh	80, 66.986, 152.783
Yxy	56.3396, 0.2727, 0.4579
Android (android.graphics.Color)	4282638474 (0xFF43E08A)
YUV	167.2530, -14.4217, -87.9219
Hunter-Lab	75.0597, -51.5505, 26.3559

Details

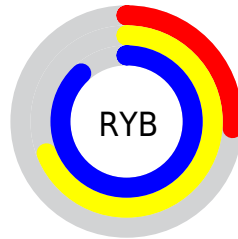
The XYZ color **33.5578, 56.3396, 33.1507** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **38.4991, 22.1626, 32.3874**, and the grayscale version is **36.9464, 38.8705, 42.3299**.

A 20% lighter version of the original color is **54.9473, 80.3123, 62.4750**, and **15.5390, 28.3256, 13.6652** is the 20% darker color. If you saturate the color by 10%, you get **31.4701, 55.3618, 28.6754**, and if you desaturate by 10%, it is **36.3423, 57.6681, 38.1851**.

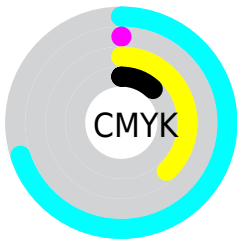
Distribution



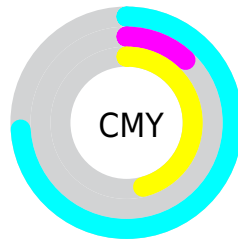
- Red (26%)
- Green (88%)
- Blue (54%)



- Red (26%)
- Yellow (69%)
- Blue (88%)



- Cyan (70%)
- Magenta (0%)
- Yellow (38%)
- Black (12%)




- Cyan (74%)
- Magenta (12%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5578, 56.3396, 33.1507 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 33.5578, 56.3396, 33.1507 by changing the saturation by 10% instead.


 33.5578, 56.3396,
33.1507


 33.5578, 56.3396,
33.1507


309.7765,
410.9701, 330.9811


 22.7154, 40.4753,
21.9699


 64.5943, 99.5009,
65.7295


 14.5030, 27.9093,
13.6366


 85.5191, 127.5667,
87.9645

 8.5554, 18.2573,
7.7325


 110.5353,
160.4685, 114.7212

 4.5071, 11.1349,
3.8390

 140.0084,
198.5905, 146.4184

 1.9928, 6.1576,
1.5374

174.3038,
242.3173, 183.4744

 0.6299, 2.9412,
0.2456

213.7866,

 0.0000, 1.1011,

292.0333, 226.3078

0.0000

258.8224,
348.1227, 275.3372

■ 0.0000, 0.0000,
0.0000

■ 33.5578, 56.3396,
33.1507

■ 33.5578, 56.3396,
33.1507

■ 31.4701, 55.3618,
28.6754

■ 36.3423, 57.6681,
38.1851

■ 29.9988, 54.6890,
24.7343


■ 39.8838, 59.3733,
43.7942


■ 29.0204, 54.2589,
21.3327


■ 44.2403, 61.4864,
49.9978


■ 49.4628, 64.0332,
56.8135

■ 55.5981, 67.0377,
64.2580

 62.6894, 70.5217,
72.3474

 70.7771, 74.5058,
81.0971

 79.8993, 79.0092,
90.5221

 84.9077, 81.3779,
100.3942

Harmonies

Analogous

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



40.6425, 56.3396, 17.5614



33.5578, 56.3396, 33.1507



31.5106, 56.3396, 65.0395

Triad

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



33.5578, 56.3396, 33.1507



54.8243, 56.3396, 170.1550



78.5807, 56.3396, 29.1588

Complementary

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



33.5578, 56.3396, 33.1507



38.4991, 22.1626, 32.3874

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.



84.0216, 56.3396, 57.7917



33.5578, 56.3396, 33.1507



68.9342, 56.3396, 147.9098

Square

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



33.5578, 56.3396, 33.1507



42.4932, 56.3396, 154.5213



80.2259, 56.3396, 102.1991



66.3734, 56.3396, 16.0340

Rectangle

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



33.5578, 56.3396, 33.1507



32.9377, 56.3396, 95.0197



80.2259, 56.3396, 102.1991



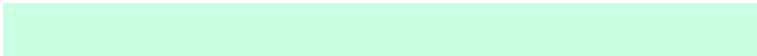
81.3467, 56.3396, 36.7453

Sweetspot

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



33.5592, 56.3419, 33.1520



73.6503, 89.4727, 85.1001



40.8736, 60.5255, 14.8389



15.2553, 18.9014, 17.6075



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.



33.5592, 56.3419, 33.1520



41.2298, 73.8127, 35.9926



41.3862, 59.4727, 74.3682



13.7852, 15.4398, 15.9040



16.9476, 31.6039, 12.7131



1.2194, 2.2085, 1.1165

Inverse Universe

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



38.4991, 22.1626, 32.3874



48.2091, 25.3053, 34.7515



34.0140, 20.3685, 8.7689



14.0198, 13.8255, 15.8744



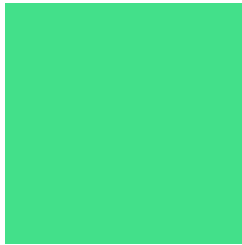
20.0221, 10.0758, 12.0481



1.4328, 0.7164, 1.0720

Previews

White Background



This preview shows how the XYZ color 33.5578, 56.3396, 33.1507 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 33.5578, 56.3396, 33.1507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

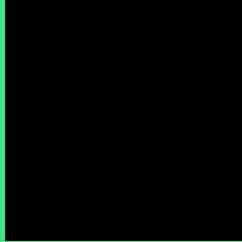
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5578, 56.3396, 33.1507

Background



This preview shows how black text looks on a background with the XYZ color 33.5578, 56.3396, 33.1507.

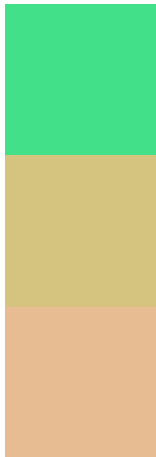


This preview shows how white text looks on a background with the XYZ color 33.5578, 56.3396,

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

33.5578, 56.3396, 33.1507

Protanopia

51.0113, 55.1583, 28.0367

Deuteranopia

56.1265, 55.0307, 34.8579



Tritanopia

43.5567, 56.1265, 83.4007

Trichromacy



Original Color

33.5578, 56.3396, 33.1507



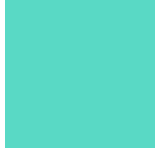
Protanomaly

40.6652, 53.2549, 29.6087



Deuteranomaly

42.6392, 52.4144, 33.8563



Tritanomaly

39.0107, 55.7808, 61.5340

Monochromacy



Original Color

33.5578, 56.3396, 33.1507



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.3440, 43.1920, 38.0320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5578, 56.3396, 33.1507 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(67, 224, 138)` looks like.

```
.text, #text, p{  
    color:rgb(67, 224, 138)  
}
```

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(67, 224, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 224, 138) }
```

Border

The CSS property to change the border of an element to XYZ 33.5578, 56.3396, 33.1507 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(67, 224, 138) }
```


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

```
.border{ border-color:rgb(67, 224, 138) }
```

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

Here you see how a box with a 4 pixel rgb(67, 224, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 224, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 224, 138);  
box-shadow:4px 4px 4px 4px rgb(67, 224,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5578, 56.3396, 33.1507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 224, 138) }
```

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

```
.background{ background-color: rgb(67, 224,  
138) }
```

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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