

Converting Colors

XYZ(33.8622, 56.9548, 28.7251)

Have a look what the booklet for
XYZ(33.8622, 56.9548, 28.7251)
contains.

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Color

**XYZ(33.8513, 56.9934,
28.6187)**

Conversions

Conversions Part 1

Format	Color
Hex	4FE17D
RGB	79, 225, 125
RGB Percent	31%, 88%, 49%
CMY	0.6902, 0.1176, 0.5098
CMYK	0.65, 0.00, 0.44, 0.12
HSL	139°, 71%, 60%
HSV	139°, 65%, 88%
XYZ	33.8513, 56.9934, 28.6187
YIQ	169.9460, -54.9160, -62.0520

Conversions

Conversions Part 2

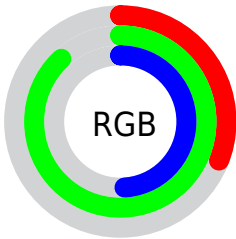
Format	Color
RYB	79, 190, 225
Decimal	5235069
CIELab	80.18, -60.13, 37.71
CIELCh	80, 70.978, 147.910
Yxy	56.9934, 0.2834, 0.4771
Android (android.graphics.Color)	4283425149 (0xFF4FE17D)
YUV	169.9460, -22.1584, -79.7596
Hunter-Lab	75.4940, -52.0755, 30.3698

Details

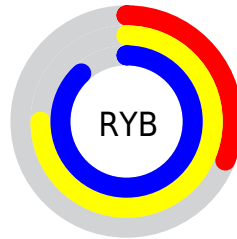
The XYZ color **33.8513, 56.9934, 28.6187** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **41.9857, 24.8551, 45.2339**, and the grayscale version is **38.3093, 40.3043, 43.8914**.

A 20% lighter version of the original color is **55.0520, 80.5255, 55.2892**, and **15.2387, 28.4997, 11.1764** is the 20% darker color. If you saturate the color by 10%, you get **31.3776, 55.8248, 23.7570**, and if you desaturate by 10%, it is **37.1137, 58.5541, 34.3172**.

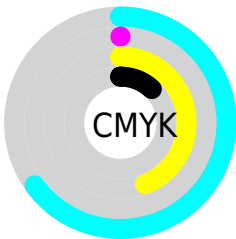
Distribution



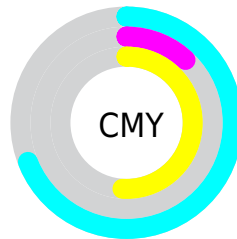
- Red (31%)
- Green (88%)
- Blue (49%)



- Red (31%)
- Yellow (75%)
- Blue (88%)



- Cyan (65%)
- Magenta (0%)
- Yellow (44%)
- Black (12%)





- Cyan (69%)
- Magenta (12%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8513, 56.9934, 28.6187 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 33.8513, 56.9934, 28.6187 by changing the saturation by 10% instead.


 33.8513, 56.9934,
28.6187


 33.8513, 56.9934,
28.6187


311.0661,
413.4246, 309.4160


 22.9417, 40.9999,
18.5495


 65.0482, 100.4556,
58.5057


 14.6709, 28.3190,
11.1717

 86.0662, 128.6930,
79.1605

 8.6736, 18.5663,
6.0668


 111.1845,
161.7807, 104.1809

 4.5843, 11.3573,
2.8163

 140.7683,
200.1028, 133.9855

 2.0377, 6.3077,
1.0016

175.1830,
244.0439, 168.9927

 0.6550, 3.0331,
0.0000

214.7939,

 0.0000, 1.1490,

293.9883, 209.6212

0.0000

259.9665,
350.3204, 256.2895

■ 0.0000, 0.0195,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.8513, 56.9934,
28.6187

■ 33.8513, 56.9934,
28.6187

■ 31.3776, 55.8248,
23.7570

■ 37.1137, 58.5541,
34.3172

■ 29.6145, 55.0042,
19.6882


■ 41.2248, 60.5323,
40.8860


■ 28.4740, 54.4884,
16.3698

■ 46.2431, 62.9591,
48.3613


■ 28.0602, 54.3062,
14.9464


■ 52.2211, 65.8608,
56.7761

 59.2066, 69.2615,
66.1617

 67.2446, 73.1836,
76.5481

 76.3770, 77.6483,
87.9637

 85.1550, 81.9081,
100.3663

 86.2163, 82.3327,
105.9554

Harmonies

Analogous

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



42.1623, 56.9934, 14.9150



33.8513, 56.9934, 28.6187



30.8507, 56.9934, 59.1946

Triad

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



33.8513, 56.9934, 28.6187



53.1619, 56.9934, 180.6120



82.6667, 56.9934, 31.7303

Complementary

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



33.8513, 56.9934, 28.6187



41.9857, 24.8551, 45.2339

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.



87.0057, 56.9934, 65.0084



33.8513, 56.9934, 28.6187



68.2663, 56.9934, 162.4698

Square

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



33.8513, 56.9934, 28.6187



40.6923, 56.9934, 157.0106



81.3287, 56.9934, 114.7472



70.3379, 56.9934, 16.0671

Rectangle

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



33.8513, 56.9934, 28.6187



31.7735, 56.9934, 89.9286



81.3287, 56.9934, 114.7472



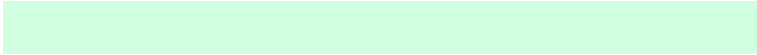
85.1946, 56.9934, 40.6349

Sweetspot

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



33.8527, 56.9957, 28.6200



74.5266, 89.9847, 82.4183



47.4414, 64.2656, 17.3014



15.3857, 18.9849, 16.8781



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.



33.8527, 56.9957, 28.6200



40.7123, 73.6900, 29.4576



40.0923, 59.4916, 61.4773



13.7058, 15.4081, 15.4860



16.2156, 31.3111, 8.8586



1.1636, 2.1862, 0.8226

Inverse Universe

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



41.9857, 24.8551, 45.2339



52.2103, 27.9186, 52.6994



36.5662, 22.6874, 16.6956



14.1016, 13.8583, 16.3053



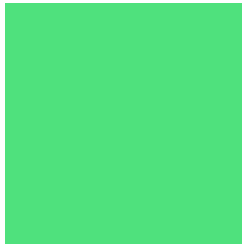
21.3146, 10.5928, 18.8542



1.5174, 0.7502, 1.5173

Previews

White Background



This preview shows how the XYZ color 33.8513, 56.9934, 28.6187 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 33.8513, 56.9934, 28.6187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

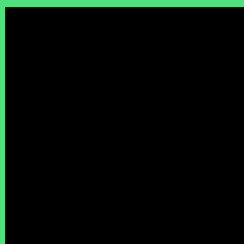
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

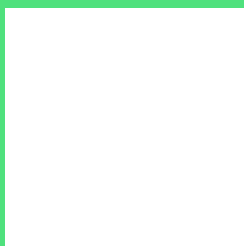
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8513, 56.9934, 28.6187

Background



This preview shows how black text looks on a background with the XYZ color 33.8513, 56.9934, 28.6187.

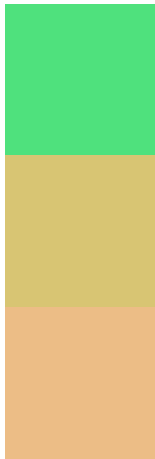


This preview shows how white text looks on a background with the XYZ color 33.8513, 56.9934,

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

33.8513, 56.9934, 28.6187

Protanopia

51.3797, 55.7692, 24.2762

Deuteranopia

57.0927, 55.9493, 30.3444



Tritanopia

44.7593, 56.7464, 83.4570

Trichromacy



Original Color

33.8513, 56.9934, 28.6187



Protanomaly

41.3685, 54.0645, 25.7079



Deuteranomaly

43.8077, 53.4635, 29.4833



Tritanomaly

39.5828, 56.1408, 58.6192

Monochromacy



Original Color

33.8513, 56.9934, 28.6187



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.5627, 44.4784, 37.3354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8513, 56.9934, 28.6187 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(79, 225, 125)` looks like.

```
.text, #text, p{  
    color:rgb(79, 225, 125)  
}
```

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(79, 225, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 225, 125) }
```

Border

The CSS property to change the border of an element to XYZ 33.8513, 56.9934, 28.6187 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(79, 225, 125) }
```


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

```
.border{ border-color:rgb(79, 225, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 225, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 225, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 225, 125);  
box-shadow:4px 4px 4px 4px rgb(79, 225,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8513, 56.9934, 28.6187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 225, 125) }
```

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

```
.background{ background-color: rgb(79, 225,  
125) }
```

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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