

Converting Colors

XYZ(35.8398, 54.7083, 31.6479)

Have a look what the booklet for
XYZ(35.8398, 54.7083, 31.6479)
contains.

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Color

**XYZ(35.8681, 54.8197,
31.6125)**

Conversions

Conversions Part 1

Format	Color
Hex	70D987
RGB	112, 217, 135
RGB Percent	44%, 85%, 53%
CMY	0.5608, 0.1490, 0.4706
CMYK	0.48, 0.00, 0.38, 0.15
HSL	133°, 58%, 65%
HSV	133°, 48%, 85%
XYZ	35.8681, 54.8197, 31.6125
YIQ	176.2570, -36.2580, -47.7620

Conversions

Conversions Part 2

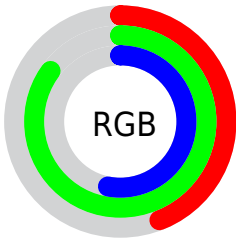
Format	Color
RYB	112, 198, 217
Decimal	7395719
CIELab	78.94, -47.89, 31.25
CIELCh	79, 57.186, 146.873
Yxy	54.8197, 0.2933, 0.4482
Android (android.graphics.Color)	4285585799 (0xFF70D987)
YUV	176.2570, -20.3397, -56.3534
Hunter-Lab	74.0403, -43.0980, 26.5136

Details

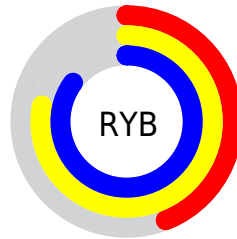
The XYZ color **35.8681, 54.8197, 31.6125** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **44.1487, 30.2361, 54.5499**, and the grayscale version is **41.5185, 43.6807, 47.5683**.

A 20% lighter version of the original color is **61.3075, 83.6291, 61.0549**, and **15.7613, 26.8599, 12.7413** is the 20% darker color. If you saturate the color by 10%, you get **32.3330, 53.1259, 25.7070**, and if you desaturate by 10%, it is **40.2613, 56.9370, 38.5519**.

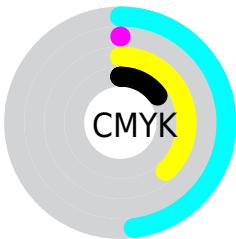
Distribution



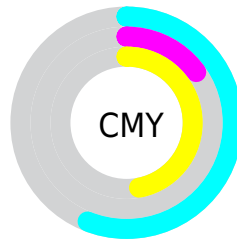
- Red (44%)
- Green (85%)
- Blue (53%)



- Red (44%)
- Yellow (78%)
- Blue (85%)



- Cyan (48%)
- Magenta (0%)
- Yellow (38%)
- Black (15%)





- Cyan (56%)
- Magenta (15%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8681, 54.8197, 31.6125 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 35.8681, 54.8197, 31.6125 by changing the saturation by 10% instead.


 35.8681, 54.8197,
31.6125


 35.8681, 54.8197,
31.6125


319.8250,
405.2281, 323.7884


 24.5020, 39.2574,
20.8033


 68.1536, 97.2767,
63.2939

 15.8332, 26.9600,
12.7905


 89.8038, 124.9403,
85.0033

 9.4963, 17.5432,
7.1554


 115.6126,
157.4063, 111.1831

 5.1260, 10.6225,
3.4796

145.9455,
195.0592, 142.2520

 2.3569, 5.8136,
1.3444

181.1679,
238.2835, 178.6284

 0.8235, 2.7321,
0.0978

221.6450,

 0.0000, 0.9935,

287.4635, 220.7309

0.0000

267.7422,
342.9835, 268.9781

■ 0.0000, 0.0000,
0.0000

■ 35.8681, 54.8197,
31.6125

■ 35.8681, 54.8197,
31.6125

■ 32.3330, 53.1259,
25.7070

■ 40.2613, 56.9370,
38.5519

■ 29.5942, 51.8202,
20.7824

■ 45.5605, 59.4969,
46.5678

■ 27.5882, 50.8724,
16.7861


■ 51.8150, 62.5255,
55.7046

■ 26.2393, 50.2449,
13.6593

■ 59.0693, 66.0448,
66.0034


■ 25.4392, 49.8830,
11.3356

■ 67.3651, 70.0755,
77.5029

 25.3379, 49.8374,
11.0304

 76.7417, 74.6371,
90.2403

 83.8842, 78.0199,
104.0942

 84.1039, 78.1078,
105.2513

Harmonies

Analogous

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



42.8410, 54.8197, 19.4690



35.8681, 54.8197, 31.6125



33.1947, 54.8197, 56.3415

Triad

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



35.8681, 54.8197, 31.6125



50.9220, 54.8197, 146.4825



74.1198, 54.8197, 35.6415

Complementary

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



35.8681, 54.8197, 31.6125



44.1487, 30.2361, 54.5499

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.



77.1015, 54.8197, 63.1672



35.8681, 54.8197, 31.6125



62.6154, 54.8197, 134.6915

Square

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



35.8681, 54.8197, 31.6125



41.0552, 54.8197, 128.9056



72.6228, 54.8197, 100.8214



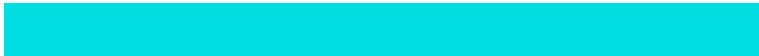
64.9772, 54.8197, 21.1312

Rectangle

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



35.8681, 54.8197, 31.6125



33.8714, 54.8197, 79.7514



72.6228, 54.8197, 100.8214



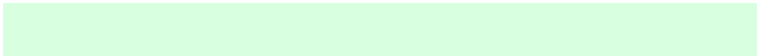
75.9286, 54.8197, 43.3100

Sweetspot

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



35.8695, 54.8220, 31.6137



77.9092, 91.6767, 84.9154



50.0519, 62.3006, 24.7168



16.2186, 19.4009, 17.5214



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.



35.8695, 54.8220, 31.6137



46.5321, 76.5307, 36.9367



40.4929, 56.6713, 55.9605



13.0027, 14.6527, 14.4772



15.3700, 30.1806, 6.8477



1.0282, 1.9682, 0.6144

Inverse Universe

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



44.1487, 30.2361, 54.5499



59.7738, 37.1025, 73.5422



39.2747, 28.2865, 28.8835



13.4859, 13.2235, 15.8200



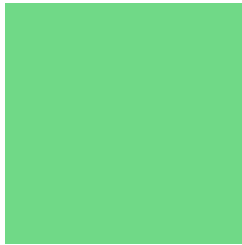
21.7247, 10.6909, 23.9942



1.4383, 0.7050, 1.7170

Previews

White Background



This preview shows how the XYZ color 35.8681, 54.8197, 31.6125 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 35.8681, 54.8197, 31.6125 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 35.8681, 54.8197, 31.6125

Background



This preview shows how black text looks on a background with the XYZ color 35.8681, 54.8197, 31.6125.

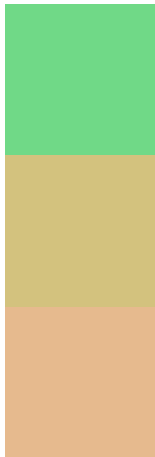


This preview shows how white text looks on a background with the XYZ color 35.8681, 54.8197,

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

35.8681, 54.8197, 31.6125

Protanopia

49.9217, 53.9388, 27.5187

Deuteranopia

55.0745, 53.8938, 33.0910



Tritanopia

45.0635, 54.4569, 77.9482

Trichromacy



Original Color

35.8681, 54.8197, 31.6125



Protanomaly

42.7622, 52.9400, 28.7335



Deuteranomaly

45.1200, 52.3614, 32.1548



Tritanomaly

40.9080, 54.2147, 57.5986

Monochromacy



Original Color

35.8681, 54.8197, 31.6125



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.2007, 46.6071, 40.7009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8681, 54.8197, 31.6125 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(112, 217, 135)` looks like.

```
.text, #text, p{  
    color:rgb(112, 217, 135)  
}
```

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(112, 217, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 217, 135) }
```

Border

The CSS property to change the border of an element to XYZ 35.8681, 54.8197, 31.6125 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(112, 217, 135) }
```


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

```
.border{ border-color:rgb(112, 217, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 217, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 217, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 217, 135);  
box-shadow:4px 4px 4px 4px rgb(112, 217,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8681, 54.8197, 31.6125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 217, 135) }
```

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

```
.background{ background-color: rgb(112,  
217, 135) }
```

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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