

Converting Colors

XYZ(31.8076, 54.5461, 19.5838)

Have a look what the booklet for
XYZ(31.8076, 54.5461, 19.5838)
contains.

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Color

**XYZ(31.8525, 54.5654,
19.6798)**

Conversions

Conversions Part 1

Format	Color
Hex	57DD5F
RGB	87, 221, 95
RGB Percent	34%, 87%, 37%
CMY	0.6588, 0.1333, 0.6274
CMYK	0.61, 0.00, 0.57, 0.13
HSL	124°, 66%, 60%
HSV	124°, 61%, 87%
XYZ	31.8525, 54.5654, 19.6798
YIQ	166.5700, -39.4180, -67.5940

Conversions

Conversions Part 2

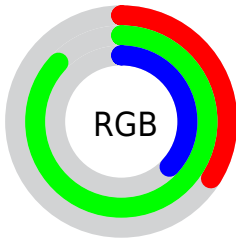
Format	Color
R_{YB}	87, 213, 221
Decimal	5758303
CIE _{Lab}	78.79, -61.28, 50.35
CIE _{LCh}	79, 79.312, 140.590
Yxy	54.5654, 0.3002, 0.5143
Android (android.graphics.Color)	4283948383 (0xFF57DD5F)
YUV	166.5700, -35.2840, -69.7829
Hunter-Lab	73.8684, -52.2994, 35.9120

Details

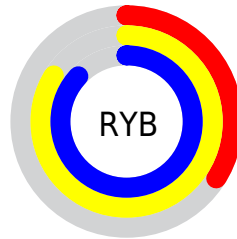
The XYZ color **31.8525, 54.5654, 19.6798** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **45.2388, 26.9935, 65.7778**, and the grayscale version is **36.7024, 38.6138, 42.0504**.

A 20% lighter version of the original color is **53.5792, 80.0795, 41.0667**, and **13.8731, 27.0774, 6.6858** is the 20% darker color. If you saturate the color by 10%, you get **29.2745, 53.3330, 15.2694**, and if you desaturate by 10%, it is **35.3165, 56.2287, 25.4490**.

Distribution



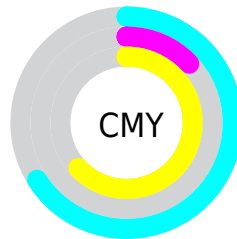
- Red (34%)
- Green (87%)
- Blue (37%)



- Red (34%)
- Yellow (84%)
- Blue (87%)



- Cyan (61%)
- Magenta (0%)
- Yellow (57%)
- Black (13%)





- Cyan (66%)
- Magenta (13%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8525, 54.5654, 19.6798 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 31.8525, 54.5654, 19.6798 by changing the saturation by 10% instead.


 31.8525, 54.5654,
19.6798


 31.8525, 54.5654,
19.6798


302.2040,
404.2624, 262.7230

 21.4039, 39.0539,
11.9807


 61.9465, 96.9039,
43.7316


 13.5337, 26.8016,
6.6082


 82.3227, 124.4997,
60.9214

 7.8766, 17.4243,
3.1436


 106.7386,
156.8923, 82.1118

 4.0672, 10.5375,
1.1684

 135.5598,
194.4662, 107.7215

 1.7402, 5.7567,
0.0000

169.1516,
237.6058, 138.1689

 0.4813, 2.6977,
0.0000

207.8794,

 0.0000, 0.9760,

286.6954, 173.8726

0.0000

252.1084,
342.1195, 215.2511

■ 0.0000, 0.0000,
0.0000

■ 31.8525, 54.5654,
19.6798

■ 31.8525, 54.5654,
19.6798

■ 29.2745, 53.3330,
15.2694

■ 35.3165, 56.2287,
25.4490

■ 27.4983, 52.4855,
12.1032

■ 39.7331, 58.3502,
32.6720

■ 26.4303, 51.9792,
10.0541

■ 45.1668, 60.9630,
41.4395

■ 25.9315, 51.7447,
9.0085

■ 51.6758, 64.0951,
51.8337

■ 59.3134, 67.7726,
63.9311

■ 68.1297, 72.0197,
77.8034

■ 78.1716, 76.8591,
93.5179

■ 85.1476, 80.1951,
105.5992

Harmonies

Analogous

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



41.9497, 54.5654, 9.6552



31.8525, 54.5654, 19.6798



27.4087, 54.5654, 46.3632

Triad

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



31.8525, 54.5654, 19.6798



47.0800, 54.5654, 192.1200



85.5846, 54.5654, 33.8892

Complementary

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



31.8525, 54.5654, 19.6798



45.2388, 26.9935, 65.7778

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.



87.7290, 54.5654, 74.7058



31.8525, 54.5654, 19.6798



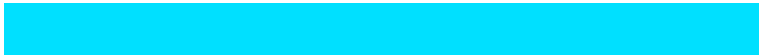
63.2261, 54.5654, 182.7391

Square

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



31.8525, 54.5654, 19.6798



34.9544, 54.5654, 154.4321



78.8726, 54.5654, 132.9821



73.4971, 54.5654, 14.5085

Rectangle

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



31.8525, 54.5654, 19.6798



27.4794, 54.5654, 76.7694



78.8726, 54.5654, 132.9821



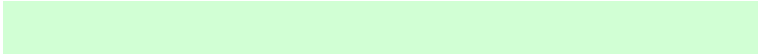
87.5757, 54.5654, 44.8912

Sweetspot

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



31.8538, 54.5677, 19.6810



73.9464, 89.8354, 75.6249



55.3983, 66.7452, 18.9803



15.2041, 18.9283, 15.1963



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.



31.8538, 54.5677, 19.6810



39.6504, 73.3584, 19.6528



36.1949, 56.3041, 42.5410



12.9179, 14.6188, 14.0306



15.0771, 30.0635, 5.3056



0.9881, 1.9522, 0.4034

Inverse Universe

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



45.2388, 26.9935, 65.7778



59.6703, 32.0224, 88.5310



38.5186, 24.3054, 30.3896



13.5791, 13.2607, 16.3105



23.9370, 11.5759, 35.6441



1.5612, 0.7541, 2.3641

Previews

White Background



This preview shows how the XYZ color 31.8525, 54.5654, 19.6798 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 31.8525, 54.5654, 19.6798 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 31.8525, 54.5654, 19.6798

Background



This preview shows how black text looks on a background with the XYZ color 31.8525, 54.5654, 19.6798.



This preview shows how white text looks on a background with the XYZ color 31.8525, 54.5654,

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

31.8525, 54.5654, 19.6798

Protanopia

48.9958, 53.7025, 16.5874

Deuteranopia

54.6153, 53.3054, 20.7750



Tritanopia

43.6182, 54.4155, 78.7253

Trichromacy



Original Color

31.8525, 54.5654, 19.6798



Protanomaly

39.5445, 52.2318, 17.4487



Deuteranomaly

41.6066, 50.8172, 19.9277



Tritanomaly

37.7935, 53.8886, 50.0046

Monochromacy



Original Color

31.8525, 54.5654, 19.6798



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.0593, 42.8670, 31.7311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8525, 54.5654, 19.6798 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(87, 221, 95)` looks like.

```
.text, #text, p{  
    color:rgb(87, 221, 95)  
}
```

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(87, 221, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 221, 95) }
```

Border

The CSS property to change the border of an element to XYZ 31.8525, 54.5654, 19.6798 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(87, 221, 95) }
```


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

```
.border{ border-color:rgb(87, 221, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 221, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 221, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 221, 95);  
box-shadow:4px 4px 4px 4px rgb(87, 221,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8525, 54.5654, 19.6798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 221, 95) }
```

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

```
.background{ background-color: rgb(87, 221,  
95) }
```

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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