

Converting Colors

XYZ(31.5838, 54.5848, 17.4086)

Have a look what the booklet for
XYZ(31.5838, 54.5848, 17.4086)
contains.

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Color

**XYZ(31.5206, 54.4435,
17.4417)**

Conversions

Conversions Part 1

Format	Color
Hex	58DD55
RGB	88, 221, 85
RGB Percent	35%, 87%, 33%
CMY	0.6549, 0.1333, 0.6667
CMYK	0.60, 0.00, 0.62, 0.13
HSL	119°, 67%, 60%
HSV	119°, 62%, 87%
XYZ	31.5206, 54.4435, 17.4417
YIQ	165.7290, -35.6120, -70.4920

Conversions

Conversions Part 2

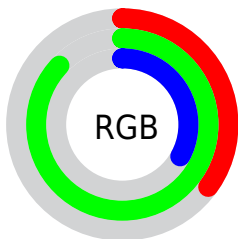
Format	Color
RYB	85, 221, 218
Decimal	5823829
CIELab	78.72, -62.18, 54.69
CIELCh	79, 82.813, 138.669
Yxy	54.4435, 0.3048, 0.5265
Android (android.graphics.Color)	4284013909 (0xFF58DD55)
YUV	165.7290, -39.7994, -68.1683
Hunter-Lab	73.7858, -52.8717, 37.6350

Details

The XYZ color **31.5206, 54.4435, 17.4417** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **45.2166, 26.6251, 71.1656**, and the grayscale version is **36.3141, 38.2053, 41.6055**.

A 20% lighter version of the original color is **52.9979, 79.8681, 37.0489**, and **13.6647, 26.9941, 5.5888** is the 20% darker color. If you saturate the color by 10%, you get **29.0250, 53.2447, 13.4360**, and if you desaturate by 10%, it is **34.8993, 56.0691, 22.9218**.

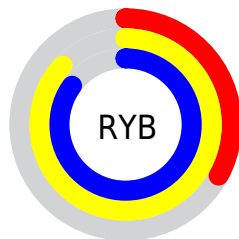
Distribution



Red (35%)

Green (87%)

Blue (33%)



Red (33%)

Yellow (87%)

Blue (85%)

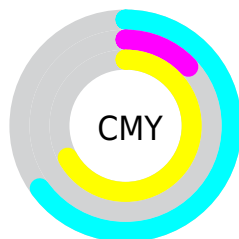


Cyan (60%)

Magenta (0%)

Yellow (62%)

Black (13%)



Cyan (65%)


Magenta (13%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5206, 54.4435, 17.4417 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 31.5206, 54.4435, 17.4417 by changing the saturation by 10% instead.


 31.5206, 54.4435,
17.4417


 31.5206, 54.4435,
17.4417


300.7138,
403.7990, 249.8346

 21.1494, 38.9563,
10.3846


 61.4291, 96.7251,
39.8847


 13.3463, 26.7258,
5.5458


 81.6970, 124.2884,
56.1077

 7.7461, 17.3674,
2.5066

 105.9945,
156.6458, 76.2230

 3.9833, 10.4968,
0.8437

 134.6870,
194.1817, 100.6493

 1.6927, 5.7296,
0.0000

168.1399,
237.2806, 129.8051

 0.4517, 2.6813,
0.0000

206.7184,

 0.0000, 0.9677,

286.3269, 164.1089

0.0000

250.7879,
341.7049, 203.9792

■ 0.0000, 0.0000,
0.0000

■ 31.5206, 54.4435,
17.4417

■ 31.5206, 54.4435,
17.4417

■ 29.0250, 53.2447,
13.4360

■ 34.8993, 56.0691,
22.9218

■ 27.3266, 52.4266,
10.7590

■ 39.2289, 58.1490,
29.9967

■ 26.3296, 51.9452,
9.2416

■ 44.5751, 60.7163,
38.7785

■ 25.9185, 51.7466,
8.6220

■ 50.9967, 63.7989,
49.3680

■ 58.5479, 67.4231,
61.8586

67.2794, 71.6129,
76.3369

77.2386, 76.3912,
92.8843

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.



42.3078, 54.4435, 8.3155



31.5206, 54.4435, 17.4417



26.6056, 54.4435, 43.2677

Triad

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



31.5206, 54.4435, 17.4417



45.8033, 54.4435, 198.9535



87.6784, 54.4435, 34.8453

Complementary

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



31.5206, 54.4435, 17.4417



45.2166, 26.6251, 71.1656

Split Complementary

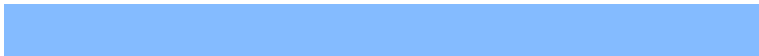
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1691, 54.4435, 78.8225



31.5206, 54.4435, 17.4417



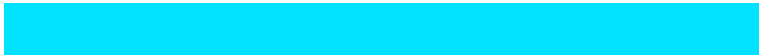
62.4948, 54.4435, 192.3325

Square

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



31.5206, 54.4435, 17.4417



33.6128, 54.4435, 156.0546



79.1760, 54.4435, 141.0072



75.4523, 54.4435, 14.0750

Rectangle

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



31.5206, 54.4435, 17.4417



26.4429, 54.4435, 73.9372



79.1760, 54.4435, 141.0072



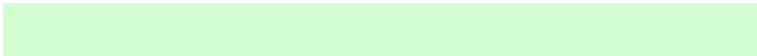
89.5348, 54.4435, 46.6999

Sweetspot

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



31.5219, 54.4458, 17.4429



73.8910, 89.8463, 73.8341



56.1366, 65.3821, 18.2565



15.1909, 18.9309, 14.7709



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.



31.5219, 54.4458, 17.4429



39.3111, 73.2360, 17.2648



34.9869, 55.7997, 37.1392



12.9129, 14.6198, 13.8669



15.0682, 30.0654, 5.0090



0.9857, 1.9527, 0.3250

Inverse Universe

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



45.2166, 26.6251, 71.1656



59.7432, 31.6318, 97.5645



39.2007, 24.3232, 34.7682



13.5846, 13.2595, 16.4955



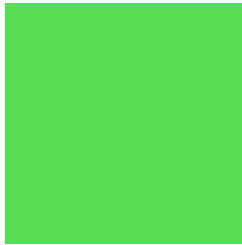
24.0687, 11.5320, 40.6957



1.5685, 0.7518, 2.6369

Previews

White Background



This preview shows how the XYZ color 31.5206, 54.4435, 17.4417 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 31.5206, 54.4435, 17.4417 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 31.5206, 54.4435, 17.4417

Background



This preview shows how black text looks on a background with the XYZ color 31.5206, 54.4435, 17.4417.



This preview shows how white text looks on a background with the XYZ color 31.5206, 54.4435,

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

31.5206, 54.4435, 17.4417

Protanopia

48.6557, 53.5665, 14.7961

Deuteranopia

54.5117, 53.3027, 18.4817



Tritanopia

43.6525, 54.0724, 78.6573

Trichromacy



Original Color

31.5206, 54.4435, 17.4417



Protanomaly

39.4030, 52.1999, 15.5883



Deuteranomaly

41.4265, 50.7725, 17.7419



Tritanomaly

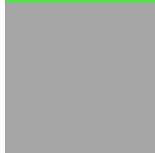
37.3930, 53.3553, 47.8630

Monochromacy



Original Color

31.5206, 54.4435, 17.4417



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.5555, 42.3272, 30.1210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5206, 54.4435, 17.4417 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(88, 221, 85)` looks like.

```
.text, #text, p{  
    color:rgb(88, 221, 85)  
}
```

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(88, 221, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 221, 85) }
```

Border

The CSS property to change the border of an element to XYZ 31.5206, 54.4435, 17.4417 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(88, 221, 85) }
```


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

```
.border{ border-color:rgb(88, 221, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 221, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 221, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 221, 85);  
box-shadow:4px 4px 4px 4px rgb(88, 221,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5206, 54.4435, 17.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 221, 85) }
```

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

```
.background{ background-color: rgb(88, 221,  
85) }
```

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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