

Converting Colors

XYZ(31.3093, 54.4137, 29.0855)

Have a look what the booklet for
XYZ(31.3093, 54.4137, 29.0855)
contains.

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Color

**XYZ(31.3173, 54.4787,
28.9435)**

Conversions

Conversions Part 1

Format	Color
Hex	33DE7F
RGB	51, 222, 127
RGB Percent	20%, 87%, 50%
CMY	0.8000, 0.1294, 0.5020
CMYK	0.77, 0.00, 0.43, 0.13
HSL	147°, 72%, 54%
HSV	147°, 77%, 87%
XYZ	31.3173, 54.4787, 28.9435
YIQ	160.0410, -71.4210, -65.7970

Conversions

Conversions Part 2

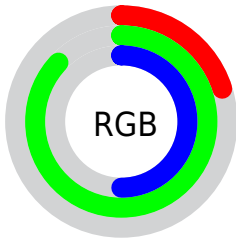
Format	Color
RYB	51, 169, 222
Decimal	3399295
CIELab	78.74, -63.02, 34.75
CIELCh	79, 71.964, 151.127
Yxy	54.4787, 0.2729, 0.4748
Android (android.graphics.Color)	4281589375 (0xFF33DE7F)
YUV	160.0410, -16.2892, -95.6290
Hunter-Lab	73.8097, -53.4298, 28.4170

Details

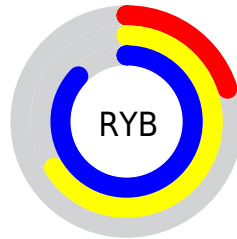
The XYZ color **31.3173, 54.4787, 28.9435** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted spring green. A complement of this color would be **36.4981, 19.9737, 29.1279**, and the grayscale version is **33.5302, 35.2764, 38.4160**.

A 20% lighter version of the original color is **52.2689, 79.0671, 56.2227**, and **14.7596, 27.4321, 11.3545** is the 20% darker color. If you saturate the color by 10%, you get **29.6990, 53.7332, 24.9262**, and if you desaturate by 10%, it is **33.5703, 55.5430, 33.5067**.

Distribution



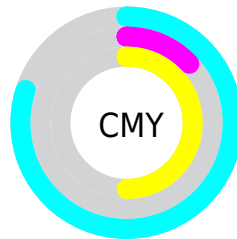
- Red (20%)
- Green (87%)
- Blue (50%)



- Red (20%)
- Yellow (66%)
- Blue (87%)



- Cyan (77%)
- Magenta (0%)
- Yellow (43%)
- Black (13%)




- Cyan (80%)
- Magenta (13%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3173, 54.4787, 28.9435 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 31.3173, 54.4787, 28.9435 by changing the saturation by 10% instead.


 31.3173, 54.4787,
28.9435


 31.3173, 54.4787,
28.9435


299.7983,
403.9328, 311.0009


 20.9936, 38.9845,
18.7929


 61.1117, 96.7767,
59.0284


 13.2318, 26.7477,
11.3454


 81.3132, 124.3494,
79.7998


 7.6664, 17.3838,
6.1826


 105.5379,
156.7170, 104.9485

 3.9323, 10.5085,
2.8858

 134.1513,
194.2639, 134.8931

 1.6639, 5.7374,
1.0366

 167.5186,
237.3745, 170.0521

 0.4335, 2.6861,
0.0000

206.0054,

 0.0000, 0.9701,

286.4333, 210.8440

0.0000

249.9768,
341.8246, 257.6874

■ 0.0000, 0.0000,
0.0000

■ 31.3173, 54.4787,
28.9435

■ 31.3173, 54.4787,
28.9435

■ 29.6990, 53.7332,
24.9262

■ 33.5703, 55.5430,
33.5067

■ 28.6199, 53.2532,
21.4282

■ 36.5243, 56.9554,
38.6327


■ 28.3585, 53.1391,
20.4832


■ 40.2412, 58.7491,
44.3425


■ 44.7747, 60.9512,
50.6544

■ 50.1734, 63.5865,
57.5862

 56.4821, 66.6777,
65.1545

 63.7422, 70.2460,
73.3756

 71.9927, 74.3111,
82.2651

 81.2701, 78.8915,
91.8378

Harmonies

Analogous

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



38.8792, 54.4787, 14.3342



31.3173, 54.4787, 28.9435



28.9497, 54.4787, 60.8736

Triad

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



31.3173, 54.4787, 28.9435



52.3207, 54.4787, 177.2993



78.9268, 54.4787, 27.3194

Complementary

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



31.3173, 54.4787, 28.9435



36.4981, 19.9737, 29.1279

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.



84.2557, 54.4787, 57.7892



31.3173, 54.4787, 28.9435



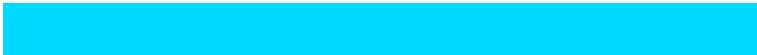
67.2599, 54.4787, 154.9223

Square

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



31.3173, 54.4787, 28.9435



39.6547, 54.4787, 157.8654



79.6422, 54.4787, 105.7995



66.1556, 54.4787, 13.7442

Rectangle

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



31.3173, 54.4787, 28.9435



30.2128, 54.4787, 92.3013



79.6422, 54.4787, 105.7995



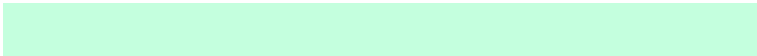
81.7428, 54.4787, 35.3095

Sweetspot

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



31.3187, 54.4809, 28.9447



71.8568, 88.5990, 82.7141



38.9153, 58.7706, 12.4252



14.7368, 18.6489, 16.9173



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.



31.3187, 54.4809, 28.9447



39.7370, 73.1451, 31.3140



39.1960, 57.6318, 70.4262



13.7806, 15.4380, 15.8801



16.8978, 31.5840, 12.4508



1.2158, 2.2070, 1.0976

Inverse Universe

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



36.4981, 19.9737, 29.1279



47.0617, 24.0003, 31.3176



32.1900, 18.2505, 6.4418



14.0244, 13.8274, 15.8986



20.0861, 10.1014, 12.3849



1.4371, 0.7181, 1.0948

Previews

White Background



This preview shows how the XYZ color 31.3173, 54.4787, 28.9435 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 31.3173, 54.4787, 28.9435 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 31.3173, 54.4787, 28.9435

Background



This preview shows how black text looks on a background with the XYZ color 31.3173, 54.4787, 28.9435.

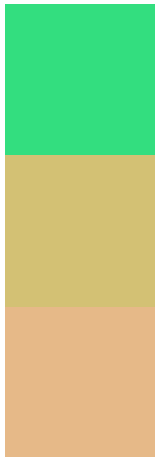


This preview shows how white text looks on a background with the XYZ color 31.3173, 54.4787,

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

31.3173, 54.4787, 28.9435

Protanopia

49.0863, 53.2498, 24.2141

Deuteranopia

54.4260, 53.2985, 30.7116



Tritanopia

41.5278, 54.0189, 80.9110

Trichromacy



Original Color

31.3173, 54.4787, 28.9435



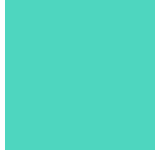
Protanomaly

38.1199, 51.3141, 25.6648



Deuteranomaly

39.9448, 50.0810, 29.7516



Tritanomaly

36.5924, 53.4744, 57.6832

Monochromacy



Original Color

31.3173, 54.4787, 28.9435



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.0245, 39.9982, 34.1549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3173, 54.4787, 28.9435 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(51, 222, 127)` looks like.

```
.text, #text, p{  
    color:rgb(51, 222, 127)  
}
```

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(51, 222, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 222, 127) }
```

Border

The CSS property to change the border of an element to XYZ 31.3173, 54.4787, 28.9435 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(51, 222, 127) }
```


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

```
.border{ border-color:rgb(51, 222, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 222, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 222, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 222, 127);  
box-shadow:4px 4px 4px 4px rgb(51, 222,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3173, 54.4787, 28.9435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 222, 127) }
```

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

```
.background{ background-color: rgb(51, 222,  
127) }
```

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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