

Converting Colors

XYZ(31.2381, 57.5478, 25.6063)

Have a look what the booklet for
XYZ(31.2381, 57.5478, 25.6063)
contains.

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Color

**XYZ(31.3913, 57.8314,
25.7277)**

Conversions

Conversions Part 1

Format	Color
Hex	00E673
RGB	0, 230, 115
RGB Percent	0%, 90%, 45%
CMY	0.9999, 0.0980, 0.5490
CMYK	1.00, 0.00, 0.50, 0.10
HSL	150°, 100%, 45%
HSV	150°, 100%, 90%
XYZ	31.3913, 57.8314, 25.7277
YIQ	148.1200, -100.1650, -84.5250

Conversions

Conversions Part 2

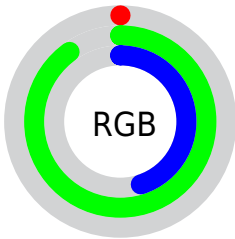
Format	Color
RYB	0, 153, 230
Decimal	58995
CIELab	80.64, -70.96, 42.98
CIELCh	81, 82.961, 148.794
Yxy	57.8314, 0.2731, 0.5031
Android (android.graphics.Color)	4278249075 (0xFF00E673)
YUV	148.1200, -16.3282, -129.9012
Hunter-Lab	76.0470, -59.3995, 33.1743

Details

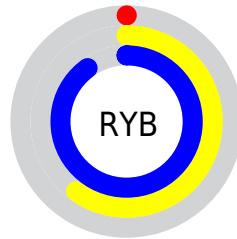
The XYZ color **31.3913, 57.8314, 25.7277** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **35.7298, 18.0620, 17.8269**, and the grayscale version is **28.2968, 29.7704, 32.4200**.

A 20% lighter version of the original color is **49.2281, 77.6358, 49.9267**, and **15.8690, 30.2573, 9.8544** is the 20% darker color. If you saturate the color by 10%, you get **31.3922, 57.8335, 25.7271**, and if you desaturate by 10%, it is **32.4500, 58.2975, 29.4518**.

Distribution



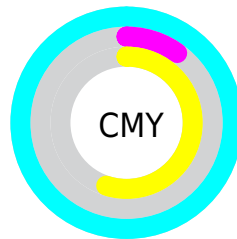
- Red (0%)
- Green (90%)
- Blue (45%)



- Red (0%)
- Yellow (60%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3913, 57.8314, 25.7277 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 31.3913, 57.8314, 25.7277 by changing the saturation by 10% instead.


 31.3913, 57.8314,
25.7277


 31.3913, 57.8314,
25.7277


300.1318,
416.5574, 295.0056

 21.0503, 41.6731,
16.3961


 61.2273, 101.6773,
53.8140

 13.2734, 28.8454,
9.6475


 81.4529, 130.1337,
73.4058


 7.6954, 18.9639,
5.0633


 105.7042,
163.4583, 97.2548

 3.9508, 11.6442,
2.2251

 134.3464,
202.0354, 125.7794

 1.6743, 6.5019,
0.6888

 167.7449,
246.2495, 159.3983

 0.4401, 3.1526,
0.0000

206.2651,

 0.0000, 1.2119,

296.4849, 198.5299

0.0000

250.2722,
353.1261, 243.5928

■ 0.0000, 0.0714,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3913, 57.8314,
25.7277

■ 31.3913, 57.8314,
25.7277

■ 31.3922, 57.8335,
25.7271

■ 32.4500, 58.2975,
29.4518

■ 34.0130, 59.0120,
33.6442

■ 36.2184, 60.0476,
38.3271

■ 39.1465, 61.4453,
43.5178

■ 42.8652, 63.2397,
49.2326

■ 47.4341, 65.4613,
55.4867

■ 52.9068, 68.1376,
62.2949

■ 59.3324, 71.2935,
69.6710

■ 66.7562, 74.9522,
77.6286

Harmonies

Analogous

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



40.6181, 57.8314, 11.2776



31.3913, 57.8314, 25.7277



28.2374, 57.8314, 61.0090

Triad

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



31.3913, 57.8314, 25.7277



54.2785, 57.8314, 211.5721



89.0621, 57.8314, 27.6628

Complementary

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



31.3913, 57.8314, 25.7277



35.7298, 18.0620, 17.8269

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.



94.7712, 57.8314, 64.9696



31.3913, 57.8314, 25.7277



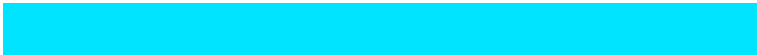
72.3505, 57.8314, 186.5860

Square

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



31.3913, 57.8314, 25.7277



39.6470, 57.8314, 182.5305



88.1117, 57.8314, 125.3508



73.7985, 57.8314, 11.9186

Rectangle

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



31.3913, 57.8314, 25.7277



29.3706, 57.8314, 98.3882



88.1117, 57.8314, 125.3508



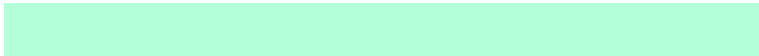
92.2863, 57.8314, 37.2689

Sweetspot

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



31.3927, 57.8337, 25.7290



66.7267, 86.0409, 78.5648



35.8840, 60.5065, 9.7880



13.6258, 18.0948, 16.0179



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.



31.3927, 57.8337, 25.7290



39.6231, 73.0652, 32.2626



42.0490, 62.0962, 81.8439



14.4884, 16.2088, 16.8364



17.8336, 32.7655, 14.8899



1.3647, 2.4400, 1.3472

Inverse Universe

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



35.7298, 18.0620, 17.8269



45.1038, 22.8055, 22.2766



32.6556, 16.8323, 1.6383



14.6760, 14.4876, 16.4945



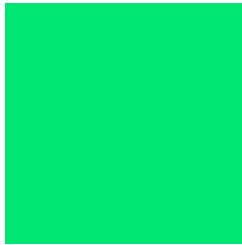
20.2889, 10.2498, 10.4163



1.5462, 0.7762, 1.0166

Previews

White Background



This preview shows how the XYZ color 31.3913, 57.8314, 25.7277 looks on a white background.

Color Contrast Check

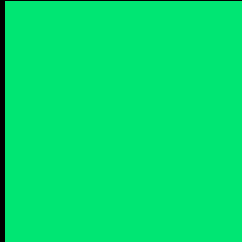
Large Text (above 18pt) WCAG AA × Fail

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 31.3913, 57.8314, 25.7277 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 31.3913, 57.8314, 25.7277

Background



This preview shows how black text looks on a background with the XYZ color 31.3913, 57.8314, 25.7277.

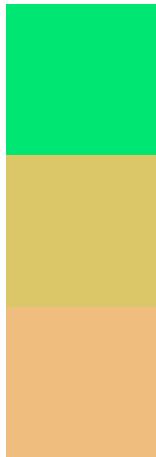


This preview shows how white text looks on a background with the XYZ color 31.3913, 57.8314,

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

31.3913, 57.8314, 25.7277

Protanopia

51.9062, 56.4477, 21.2565

Deuteranopia

57.4959, 56.2266, 27.2245



Tritanopia

43.6886, 57.6409, 86.6651

Trichromacy



Original Color

31.3913, 57.8314, 25.7277



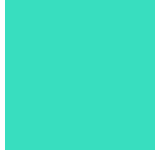
Protanomaly

36.4008, 52.6649, 22.4342



Deuteranomaly

37.9930, 51.2416, 25.9773



Tritanomaly

37.1561, 56.8449, 58.3040

Monochromacy



Original Color

31.3913, 57.8314, 25.7277



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.9804, 35.9980, 28.9243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3913, 57.8314, 25.7277 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(0, 230, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 115)  
}
```

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(0, 230, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 115) }
```

Border

The CSS property to change the border of an element to XYZ 31.3913, 57.8314, 25.7277 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(0, 230, 115) }
```


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

```
.border{ border-color:rgb(0, 230, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3913, 57.8314, 25.7277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 115) }
```

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

```
.background{ background-color: rgb(0, 230,  
115) }
```

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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