

Converting Colors

XYZ(31.5174, 49.5166, 28.0820)

Have a look what the booklet for
XYZ(31.5174, 49.5166, 28.0820)
contains.

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Color

**XYZ(31.5610, 49.6746,
28.0034)**

Conversions

Conversions Part 1

Format	Color
Hex	61D17F
RGB	97, 209, 127
RGB Percent	38%, 82%, 50%
CMY	0.6196, 0.1804, 0.5020
CMYK	0.54, 0.00, 0.39, 0.18
HSL	136°, 55%, 60%
HSV	136°, 54%, 82%
XYZ	31.5610, 49.6746, 28.0034
YIQ	166.1640, -40.4300, -49.2460

Conversions

Conversions Part 2

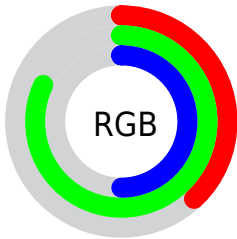
Format	Color
RYB	97, 185, 209
Decimal	6410623
CIELab	75.87, -49.75, 31.21
CIElCh	76, 58.728, 147.901
Yxy	49.6746, 0.2889, 0.4547
Android (android.graphics.Color)	4284600703 (0xFF61D17F)
YUV	166.1640, -19.3079, -60.6568
Hunter-Lab	70.4802, -43.4082, 25.7789

Details

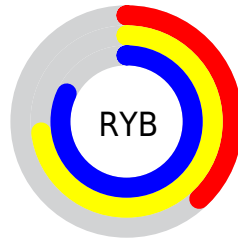
The XYZ color **31.5610, 49.6746, 28.0034** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **38.7074, 25.3604, 45.5044**, and the grayscale version is **36.4304, 38.3276, 41.7388**.

A 20% lighter version of the original color is **57.5158, 81.7838, 55.9345**, and **13.4602, 23.9383, 10.9323** is the 20% darker color. If you saturate the color by 10%, you get **28.6979, 48.3066, 23.0535**, and if you desaturate by 10%, it is **35.1647, 51.4097, 33.7809**.

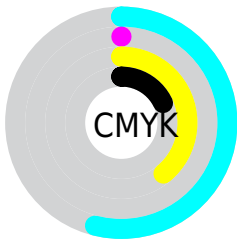
Distribution



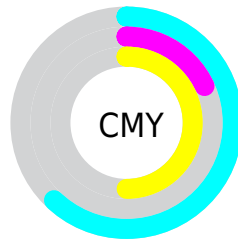
- Red (38%)
- Green (82%)
- Blue (50%)



- Red (38%)
- Yellow (73%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (39%)
- Black (18%)





- Cyan (62%)
- Magenta (18%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5610, 49.6746, 28.0034 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 31.5610, 49.6746, 28.0034 by changing the saturation by 10% instead.


 31.5610, 49.6746,
28.0034


 31.5610, 49.6746,
28.0034


300.8955,
385.3921, 306.3956


 21.1803, 35.1549,
18.0892

 61.4921, 89.6926,
57.5130


 13.3691, 23.7822,
10.8439


 81.7732, 115.9596,
77.9455

 7.7619, 15.1722,
5.8491


 106.0852,
146.9113, 102.7211

 3.9935, 8.9403,
2.6863

 134.7934,
182.9319, 132.2585

 1.6985, 4.7023,
0.9365

168.2632,
224.4059, 166.9761

 0.4553, 2.0736,
0.0000

206.8599,

 0.0000, 0.6497,

271.7177, 207.2924

0.0000

250.9489,
325.2516, 253.6261

■ 0.0000, 0.0000,
0.0000

■ 31.5610, 49.6746,
28.0034

■ 31.5610, 49.6746,
28.0034

■ 28.6979, 48.3066,
23.0535

■ 35.1647, 51.4097,
33.7809

■ 26.5177, 47.2726,
18.8896

■ 39.5536, 53.5299,
40.4180

■ 24.9599, 46.5435,
15.4718

■ 44.7732, 56.0594,
47.9495

■ 23.9506, 46.0824,
12.7550

■ 50.8644, 59.0186,
56.4069

■ 23.5148, 45.8882,
11.3572

■ 57.8651, 62.4265,
65.8204

■ 65.8113, 66.3010,
76.2187

■ 74.7367, 70.6589,
87.6293

■ 81.2057, 73.7285,
99.9164

■ 82.0914, 74.0828,
104.5805

Harmonies

Analogous

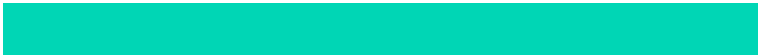
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.0507, 49.6746, 16.4379



31.5610, 49.6746, 28.0034



29.1793, 49.6746, 51.9136

Triad

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



31.5610, 49.6746, 28.0034



46.4490, 49.6746, 139.2350



68.3184, 49.6746, 30.5369

Complementary

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



31.5610, 49.6746, 28.0034



38.7074, 25.3604, 45.5044

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.



71.4716, 49.6746, 56.3206



31.5610, 49.6746, 28.0034



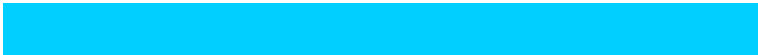
57.7421, 49.6746, 126.5791

Square

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



31.5610, 49.6746, 28.0034



36.9083, 49.6746, 122.7348



67.3389, 49.6746, 92.7678



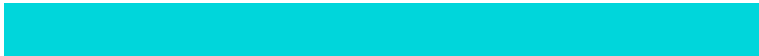
59.2795, 49.6746, 17.4542

Rectangle

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



31.5610, 49.6746, 28.0034



29.9130, 49.6746, 74.7667



67.3389, 49.6746, 92.7678



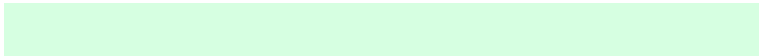
70.1576, 49.6746, 37.6225

Sweetspot

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



31.5623, 49.6766, 28.0045



77.1581, 91.2895, 84.8801



43.5811, 56.0659, 19.8345



16.0809, 19.3287, 17.5678



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.



31.5623, 49.6766, 28.0045



44.5632, 75.5488, 35.3457



36.2651, 51.5578, 52.7691



11.7845, 13.2575, 13.2216



14.5333, 28.3062, 7.1884



0.8460, 1.5961, 0.5779

Inverse Universe

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



38.7074, 25.3604, 45.5044



56.8436, 33.5972, 65.3048



34.1541, 23.5390, 21.5268



12.1700, 11.9527, 14.1710



19.8013, 9.7934, 19.6577



1.1392, 0.5604, 1.2678

Previews

White Background



This preview shows how the XYZ color 31.5610, 49.6746, 28.0034 looks on a white background.

Color Contrast Check

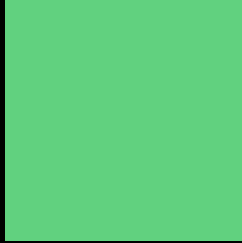
Large Text (above 18pt) WCAG AA × Fail

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 31.5610, 49.6746, 28.0034 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 31.5610, 49.6746, 28.0034

Background



This preview shows how black text looks on a background with the XYZ color 31.5610, 49.6746, 28.0034.



This preview shows how white text looks on a background with the XYZ color 31.5610, 49.6746,

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

31.5610, 49.6746, 28.0034

Protanopia

45.1860, 48.9824, 24.2125

Deuteranopia

49.7387, 48.7777, 29.3478



Tritanopia

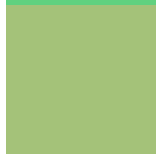
40.2969, 49.6751, 71.7544

Trichromacy



Original Color

31.5610, 49.6746, 28.0034



Protanomaly

38.0528, 47.8566, 25.3208



Deuteranomaly

39.9735, 47.1478, 28.4663



Tritanomaly

36.4587, 49.5103, 52.4346

Monochromacy



Original Color

31.5610, 49.6746, 28.0034



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.3799, 41.3856, 35.9347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5610, 49.6746, 28.0034 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(97, 209, 127)` looks like.

```
.text, #text, p{  
    color:rgb(97, 209, 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(97, 209, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 209, 127) }
```

Border

The CSS property to change the border of an element to XYZ 31.5610, 49.6746, 28.0034 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(97, 209, 127) }
```


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

```
.border{ border-color:rgb(97, 209, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 209, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 209, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 209, 127);  
box-shadow:4px 4px 4px 4px rgb(97, 209,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5610, 49.6746, 28.0034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 209, 127) }
```

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

```
.background{ background-color: rgb(97, 209,  
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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