

Converting Colors

XYZ(30.9821, 48.5545, 27.1873)

Have a look what the booklet for
XYZ(30.9821, 48.5545, 27.1873)
contains.

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Color

**XYZ(31.0515, 48.7030,
27.1661)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 62CF7D |
| RGB | 98, 207, 125 |
| RGB Percent | 38%, 81%, 49% |
| CMY | 0.6157, 0.1882, 0.5098 |
| CMYK | 0.53, 0.00, 0.40, 0.19 |
| HSL | 135°, 53%, 60% |
| HSV | 135°, 53%, 81% |
| XYZ | 31.0515, 48.7030, 27.1661 |
| YIQ | 165.0610, -38.6420, -48.6100 |

Conversions

Conversions Part 2

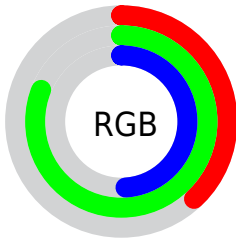
| Format | Color |
|-------------------------------------|--|
| RYB | 98, 185, 207 |
| Decimal | 6475645 |
| CIELab | 75.27, -49.02, 31.45 |
| CIELCh | 75, 58.244, 147.321 |
| Yxy | 48.7030, 0.2904, 0.4555 |
| Android (android.graphics.Color) | 4284665725 (0xFF62CF7D) |
| YUV | 165.0610, -19.7501, -58.8125 |
| Hunter-Lab | 69.7875, -42.7058, 25.7715 |

Details

The XYZ color **31.0515, 48.7030, 27.1661** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **38.3395, 25.2970, 46.0436**, and the grayscale version is **35.8995, 37.7691, 41.1305**.

A 20% lighter version of the original color is **57.5062, 81.8023, 54.8780**, and **13.1579, 23.3046, 10.4613** is the 20% darker color. If you saturate the color by 10%, you get **28.1822, 47.3313, 22.2401**, and if you desaturate by 10%, it is **34.6568, 50.4389, 32.9429**.

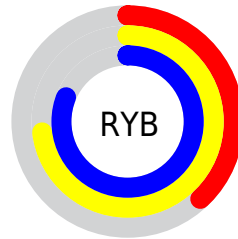
Distribution



Red (38%)

Green (81%)

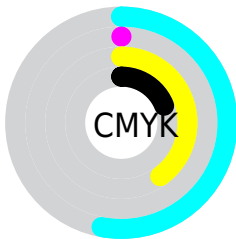
Blue (49%)



Red (38%)

Yellow (73%)

Blue (81%)

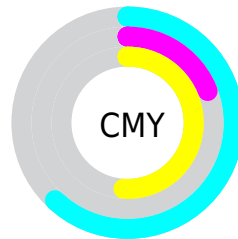


Cyan (53%)

Magenta (0%)

Yellow (40%)

Black (19%)



Cyan (62%)


Magenta (19%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0515, 48.7030, 27.1661 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 31.0515, 48.7030, 27.1661 by changing the saturation by 10% instead.


 31.0515, 48.7030,
27.1661


 31.0515, 48.7030,
27.1661


298.5982,
381.5719, 302.2460


 20.7901, 34.3839,
17.4645


 60.6964, 88.2502,
56.1573


 13.0822, 23.1887,
10.4007


 80.8107, 114.2471,
76.2839

 7.5626, 14.7329,
5.5564

 104.9399,
144.9054, 100.7226

 3.8658, 8.6322,
2.5129

 133.4494,
180.6095, 129.8919

 1.6265, 4.5020,
0.8470

166.7047,
221.7439, 164.2103

 0.4096, 1.9582,
0.0000

205.0710,

 0.0000, 0.5830,

268.6928, 204.0965

0.0000

248.9137,
321.8407, 249.9689

■ 0.0000, 0.0000,
0.0000

■ 31.0515, 48.7030,
27.1661

■ 31.0515, 48.7030,
27.1661

■ 28.1822, 47.3313,
22.2401

■ 34.6568, 50.4389,
32.9429

■ 25.9924, 46.2913,
18.1212

■ 39.0418, 52.5565,
39.6048

■ 24.4232, 45.5550,
14.7670

■ 44.2510, 55.0795,
47.1882

■ 23.4032, 45.0864,
12.1296

■ 50.3247, 58.0279,
55.7265

■ 22.9174, 44.8690,
10.6168

■ 57.3002, 61.4203,
65.2514

■ 65.2128, 65.2743,
75.7930

■ 74.0957, 69.6063,
87.3804

■ 80.7439, 72.7636,
99.8899

■ 81.6038, 73.1075,
104.4179

Harmonies

Analogous

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



37.4805, 48.7030, 16.0313



31.0515, 48.7030, 27.1661



28.6400, 48.7030, 50.3243

Triad

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



31.0515, 48.7030, 27.1661



45.3364, 48.7030, 136.2788



67.0664, 48.7030, 30.3339

Complementary

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



31.0515, 48.7030, 27.1661



38.3395, 25.2970, 46.0436

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.



70.0166, 48.7030, 55.8295



31.0515, 48.7030, 27.1661



56.3836, 48.7030, 124.4361

Square

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



31.0515, 48.7030, 27.1661



36.0530, 48.7030, 119.6390



65.8435, 48.7030, 91.6006



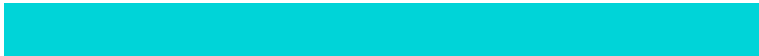
58.3034, 48.7030, 17.3033

Rectangle

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



31.0515, 48.7030, 27.1661



29.3058, 48.7030, 72.5639



65.8435, 48.7030, 91.6006



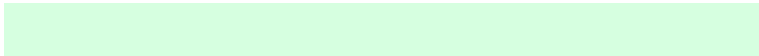
68.8244, 48.7030, 37.3587

Sweetspot

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



31.0527, 48.7050, 27.1672



77.0461, 91.2447, 84.2904



43.7084, 55.4022, 19.9456



16.0544, 19.3182, 17.4286



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.



31.0527, 48.7050, 27.1672



44.7252, 75.6435, 34.8506



35.3804, 50.4361, 49.9565



11.7747, 13.2536, 13.1700



14.4705, 28.2811, 6.8576



0.8414, 1.5942, 0.5536

Inverse Universe

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



38.3395, 25.2970, 46.0436



57.5660, 34.2447, 68.0042



33.9363, 23.5357, 22.8563



12.1804, 11.9569, 14.2260



20.0178, 9.8800, 20.7977



1.1498, 0.5646, 1.3236

Previews

White Background



This preview shows how the XYZ color 31.0515, 48.7030, 27.1661 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 31.0515, 48.7030, 27.1661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

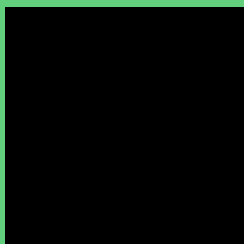
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

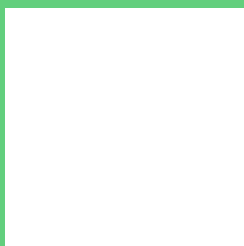
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0515, 48.7030, 27.1661

Background



This preview shows how black text looks on a background with the XYZ color 31.0515, 48.7030, 27.1661.

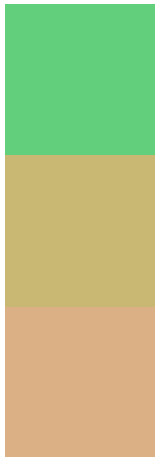


This preview shows how white text looks on a background with the XYZ color 31.0515, 48.7030,

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

31.0515, 48.7030, 27.1661

Protanopia

44.3803, 47.9594, 23.4410

Deuteranopia

48.9036, 47.7767, 28.4741



Tritanopia

39.5956, 48.6790, 69.5964

Trichromacy



Original Color

31.0515, 48.7030, 27.1661



Protanomaly

37.4893, 46.9237, 24.5340



Deuteranomaly

39.4120, 46.2396, 27.6168



Tritanomaly

35.8070, 48.5133, 50.6568

Monochromacy



Original Color

31.0515, 48.7030, 27.1661



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.8108, 40.5072, 34.9435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0515, 48.7030, 27.1661 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(98, 207, 125)` looks like.

```
.text, #text, p{  
    color:rgb(98, 207, 125)  
}
```

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(98, 207, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 207, 125) }
```

Border

The CSS property to change the border of an element to XYZ 31.0515, 48.7030, 27.1661 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(98, 207, 125) }
```


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

```
.border{ border-color:rgb(98, 207, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 207, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 207, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 207, 125);  
box-shadow:4px 4px 4px 4px rgb(98, 207,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0515, 48.7030, 27.1661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 207, 125) }
```

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

```
.background{ background-color: rgb(98, 207,  
125) }
```

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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