

Converting Colors

XYZ(30.3130, 49.8244, 18.9378)

Have a look what the booklet for
XYZ(30.3130, 49.8244, 18.9378)
contains.

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Color

**XYZ(30.3968, 50.0114,
18.8776)**

Conversions

Conversions Part 1

Format	Color
Hex	62D35F
RGB	98, 211, 95
RGB Percent	38%, 83%, 37%
CMY	0.6157, 0.1725, 0.6274
CMYK	0.54, 0.00, 0.55, 0.17
HSL	118°, 57%, 60%
HSV	118°, 55%, 83%
XYZ	30.3968, 50.0114, 18.8776
YIQ	163.9890, -30.1120, -60.0320

Conversions

Conversions Part 2

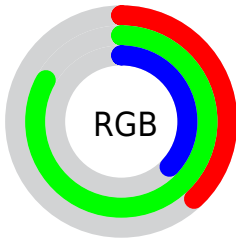
Format	Color
RYB	95, 211, 208
Decimal	6476639
CIELab	76.08, -54.95, 47.23
CIELCh	76, 72.461, 139.322
Yxy	50.0114, 0.3062, 0.5037
Android (android.graphics.Color)	4284666719 (0xFF62D35F)
YUV	163.9890, -34.0116, -57.8724
Hunter-Lab	70.7187, -47.0337, 33.6763

Details

The XYZ color **30.3968, 50.0114, 18.8776** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **41.8653, 26.2993, 64.5004**, and the grayscale version is **35.4495, 37.2956, 40.6149**.

A 20% lighter version of the original color is **55.0099, 80.8262, 40.7187**, and **12.6641, 23.8783, 6.2270** is the 20% darker color. If you saturate the color by 10%, you get **27.6246, 48.6800, 14.4017**, and if you desaturate by 10%, it is **34.0006, 51.7445, 24.7503**.

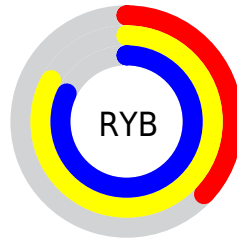
Distribution



Red (38%)

Green (83%)

Blue (37%)



Red (37%)

Yellow (83%)

Blue (82%)

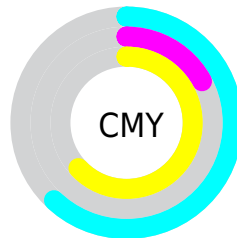


Cyan (54%)

Magenta (0%)

Yellow (55%)

Black (17%)



Cyan (62%)

Magenta (17%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3968, 50.0114, 18.8776 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 30.3968, 50.0114, 18.8776 by changing the saturation by 10% instead.

■ 30.3968, 50.0114,
18.8776

■ 30.3968, 50.0114,
18.8776

295.6264,
386.7105, 258.1724

■ 20.2895, 35.4225,
11.4060

■ 59.6715, 90.1918,
42.3611

■ 12.7152, 23.9885,
6.2230

■ 79.5696, 116.5520,
59.2101

■ 7.3083, 15.3251,
2.9102

■ 103.4620,
147.6047, 80.0218

■ 3.7037, 9.0478,
1.0489

■ 131.7141,
183.7344, 105.2150

■ 1.5359, 4.7724,
0.0000

164.6912,
225.3255, 135.2081

■ 0.3501, 2.1144,
0.0000

202.7588,

■ 0.0000, 0.6727,

272.7622, 170.4197

0.0000

246.2820,
326.4291, 211.2683

■ 0.0000, 0.0000,
0.0000

■ 30.3968, 50.0114,
18.8776

■ 30.3968, 50.0114,
18.8776

■ 27.6246, 48.6800,
14.4017

■ 34.0006, 51.7445,
24.7503

■ 25.6144, 47.7124,
11.2038

■ 38.4913, 53.9010,
32.1190

■ 24.2912, 47.0743,
9.1514

■ 43.9236, 56.5089,
41.0777

■ 23.5633, 46.7220,
8.0810

■ 50.3470, 59.5915,
51.7117

■ 23.3635, 46.6257,
7.7683

■ 57.8072, 63.1709,
64.1002

■ 66.3473, 67.2676,
78.3176

■ 76.0078, 71.9011,
94.4339

■ 82.5853, 75.0705,
104.7451

Harmonies

Analogous

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



39.4295, 50.0114, 10.0457



30.3968, 50.0114, 18.8776



26.2650, 50.0114, 41.7735

Triad

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



30.3968, 50.0114, 18.8776



42.8716, 50.0114, 165.5082



76.5801, 50.0114, 33.3204

Complementary

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



30.3968, 50.0114, 18.8776



41.8653, 26.2993, 64.5004

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.



77.9844, 50.0114, 69.4712



30.3968, 50.0114, 18.8776



56.6800, 50.0114, 159.4793

Square

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



30.3968, 50.0114, 18.8776



32.5034, 50.0114, 132.8369



70.1399, 50.0114, 118.9495



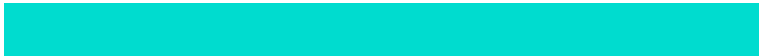
66.6044, 50.0114, 15.2210

Rectangle

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



30.3968, 50.0114, 18.8776



26.1930, 50.0114, 67.4475



70.1399, 50.0114, 118.9495



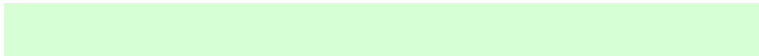
78.1333, 50.0114, 43.2465

Sweetspot

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



30.3980, 50.0135, 18.8787



76.0222, 90.8708, 77.2854



51.2769, 59.3680, 19.5839



15.8135, 19.2302, 15.7828



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.



30.3980, 50.0135, 18.8787



41.7872, 74.4298, 21.1167



33.4507, 51.1979, 36.6103



11.6841, 13.2206, 12.5481



14.1125, 28.1442, 4.6886



0.7992, 1.5789, 0.2626

Inverse Universe

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



41.8653, 26.2993, 64.5004



61.0923, 34.4325, 98.0340



37.0324, 24.4644, 34.6106



12.2794, 11.9928, 14.9113



22.3958, 10.7257, 38.0824



1.2620, 0.6047, 2.1298

Previews

White Background



This preview shows how the XYZ color 30.3968, 50.0114, 18.8776 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 30.3968, 50.0114, 18.8776 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 30.3968, 50.0114, 18.8776

Background



This preview shows how black text looks on a background with the XYZ color 30.3968, 50.0114, 18.8776.

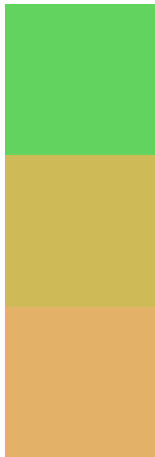


This preview shows how white text looks on a background with the XYZ color 30.3968, 50.0114,

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

30.3968, 50.0114, 18.8776

Protanopia

44.7328, 48.9277, 16.1032

Deuteranopia

50.0976, 49.1712, 19.9473



Tritanopia

40.6439, 49.5283, 71.0361

Trichromacy



Original Color

30.3968, 50.0114, 18.8776



Protanomaly

37.2969, 47.9839, 16.9689



Deuteranomaly

39.5848, 47.4698, 19.3882



Tritanomaly

35.7769, 49.2970, 46.1577

Monochromacy



Original Color

30.3968, 50.0114, 18.8776



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.9993, 40.4873, 30.5544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3968, 50.0114, 18.8776 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, 211, 95)` looks like.

```
.text, #text, p{  
    color:rgb(98, 211, 95)  
}
```

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, 211, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 211, 95) }
```

Border

The CSS property to change the border of an element to XYZ 30.3968, 50.0114, 18.8776 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, 211, 95) }
```


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

```
.border{ border-color:rgb(98, 211, 95) }
```

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

Here you see how a box with a 4 pixel rgb(98, 211, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 211, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 211, 95);  
box-shadow:4px 4px 4px 4px rgb(98, 211,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3968, 50.0114, 18.8776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 211, 95) }
```

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

```
.background{ background-color: rgb(98, 211,  
95) }
```

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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