

Converting Colors

XYZ(31.4922, 47.1614, 18.1947)

Have a look what the booklet for
XYZ(31.4922, 47.1614, 18.1947)
contains.

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Color

**XYZ(31.4096, 46.9595,
18.2351)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC95F
RGB	125, 201, 95
RGB Percent	49%, 79%, 37%
CMY	0.5098, 0.2117, 0.6274
CMYK	0.38, 0.00, 0.53, 0.21
HSL	103°, 50%, 58%
HSV	103°, 53%, 79%
XYZ	31.4096, 46.9595, 18.2351
YIQ	166.1920, -11.2700, -49.0780

Conversions

Conversions Part 2

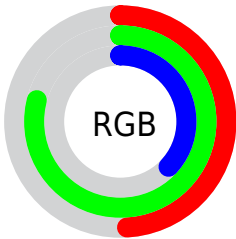
Format	Color
RYB	95, 201, 171
Decimal	8243551
CIELab	74.16, -42.95, 45.21
CIELCh	74, 62.364, 133.532
Yxy	46.9595, 0.3251, 0.4861
Android (android.graphics.Color)	4286433631 (0xFF7DC95F)
YUV	166.1920, -35.0977, -36.1254
Hunter-Lab	68.5270, -38.1061, 32.1918

Details

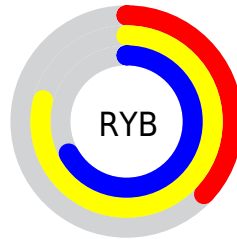
The XYZ color **31.4096, 46.9595, 18.2351** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **31.4318, 21.0610, 57.6695**, and the grayscale version is **36.5079, 38.4091, 41.8275**.

A 20% lighter version of the original color is **60.1614, 83.4819, 40.9598**, and **13.2593, 22.0417, 5.9385** is the 20% darker color. If you saturate the color by 10%, you get **28.6581, 45.6348, 13.9371**, and if you desaturate by 10%, it is **34.7045, 48.5400, 23.7909**.

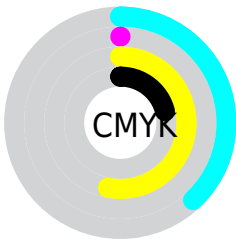
Distribution



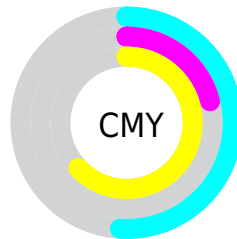
- Red (49%)
- Green (79%)
- Blue (37%)



- Red (37%)
- Yellow (79%)
- Blue (67%)



- Cyan (38%)
- Magenta (0%)
- Yellow (53%)
- Black (21%)



- Cyan (51%)
- Magenta (21%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4096, 46.9595, 18.2351 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 31.4096, 46.9595, 18.2351 by changing the saturation by 10% instead.

■ 31.4096, 46.9595,
18.2351

■ 31.4096, 46.9595,
18.2351

300.2142,
374.6528, 254.4733

■ 21.0643, 33.0036,
10.9477

■ 61.2558, 85.6532,
41.2569

■ 13.2837, 22.1292,
5.9180

■ 81.4875, 111.1598,
57.8283

■ 7.7026, 13.9519,
2.7273

■ 105.7453,
141.2854, 78.3316

■ 3.9554, 8.0872,
0.9571

■ 134.3946,
176.4144, 103.1851

■ 1.6769, 4.1508,
0.0000

167.8008,
216.9313, 132.8075

■ 0.4418, 1.7583,
0.0000

206.3293,

■ 0.0000, 0.4610,

263.2204, 167.6174

0.0000

250.3453,
315.6661, 208.0331

■ 0.0000, 0.0000,
0.0000

■ 31.4096, 46.9595,
18.2351

■ 31.4096, 46.9595,
18.2351

■ 28.6581, 45.6348,
13.9371

■ 34.7045, 48.5400,
23.7909

■ 26.4148, 44.5455,
10.7955

■ 38.5682, 50.3831,
30.6891

■ 24.6457, 43.6781,
8.6987

■ 43.0285, 52.5029,
39.0107

■ 23.3099, 43.0144,
7.5112

■ 48.1104, 54.9106,
48.8292

■ 22.5682, 42.6416,
7.0412

■ 53.8372, 57.6169,
60.2133

■ 60.2312, 60.6317,
73.2272

■ 67.3135, 63.9646,
87.9317

■ 74.9741, 67.5728,
103.6990

■ 80.0712, 70.2004,
103.9376

Harmonies

Analogous

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



39.7922, 46.9595, 11.6037



31.4096, 46.9595, 18.2351



27.0363, 46.9595, 35.5954

Triad

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



31.4096, 46.9595, 18.2351



38.8155, 46.9595, 135.7583



68.9527, 46.9595, 38.0410

Complementary

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



31.4096, 46.9595, 18.2351



31.4318, 21.0610, 57.6695

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.



68.5727, 46.9595, 70.6340



31.4096, 46.9595, 18.2351



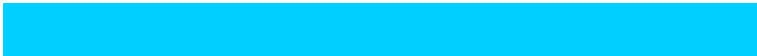
49.8526, 46.9595, 137.3287

Square

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



31.4096, 46.9595, 18.2351



30.7979, 46.9595, 106.3055



61.1290, 46.9595, 109.9779



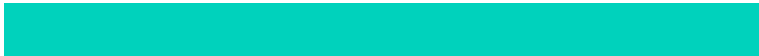
62.0939, 46.9595, 19.3791

Rectangle

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



31.4096, 46.9595, 18.2351



26.4390, 46.9595, 55.0169



61.1290, 46.9595, 109.9779



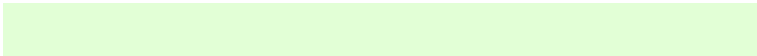
69.6980, 46.9595, 47.4324

Sweetspot

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



31.4107, 46.9615, 18.2361



79.2075, 92.5130, 77.4344



40.7116, 42.3591, 16.8576



16.5628, 19.6164, 15.8178



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.



31.4107, 46.9615, 18.2361



48.5796, 77.8935, 23.1468



28.8755, 45.5156, 24.3937



10.7747, 12.0308, 11.3170



14.2677, 26.8506, 4.4307



0.7483, 1.3089, 0.2132

Inverse Universe

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



31.4318, 21.0610, 57.6695



48.5310, 28.9218, 97.6323



36.2206, 23.8189, 44.8276



10.7793, 10.6600, 13.4069



13.9672, 6.4346, 35.2502



0.7297, 0.3399, 1.6723

Previews

White Background



This preview shows how the XYZ color 31.4096, 46.9595, 18.2351 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 31.4096, 46.9595, 18.2351 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 31.4096, 46.9595, 18.2351

Background



This preview shows how black text looks on a background with the XYZ color 31.4096, 46.9595, 18.2351.



This preview shows how white text looks on a background with the XYZ color 31.4096, 46.9595,

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

31.4096, 46.9595, 18.2351

Protanopia

42.6185, 46.5947, 16.1986

Deuteranopia

47.1606, 46.2186, 19.0058



Tritanopia

40.5983, 46.6841, 63.9979

Trichromacy



Original Color

31.4096, 46.9595, 18.2351



Protanomaly

37.3195, 46.0348, 16.8162



Deuteranomaly

39.4353, 45.2069, 18.4517



Tritanomaly

36.0873, 46.1386, 42.1256

Monochromacy



Original Color

31.4096, 46.9595, 18.2351



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.6162, 40.7130, 30.8976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4096, 46.9595, 18.2351 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(125, 201, 95)` looks like.

```
.text, #text, p{  
    color:rgb(125, 201, 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(125, 201, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 201, 95) }
```

Border

The CSS property to change the border of an element to XYZ 31.4096, 46.9595, 18.2351 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(125, 201, 95) }
```


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

```
.border{ border-color:rgb(125, 201, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 201, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 201, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 201, 95);  
box-shadow:4px 4px 4px 4px rgb(125, 201,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4096, 46.9595, 18.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 201, 95) }
```

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

```
.background{ background-color: rgb(125,  
201, 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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