

Converting Colors

XYZ(31.9207, 49.8203, 31.3327)

Have a look what the booklet for
XYZ(31.9207, 49.8203, 31.3327)
contains.

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Color

**XYZ(31.8605, 49.7582,
31.2176)**

Conversions

Conversions Part 1

Format	Color
Hex	5ED188
RGB	94, 209, 136
RGB Percent	37%, 82%, 53%
CMY	0.6314, 0.1804, 0.4667
CMYK	0.55, 0.00, 0.35, 0.18
HSL	142°, 56%, 59%
HSV	142°, 55%, 82%
XYZ	31.8605, 49.7582, 31.2176
YIQ	166.2930, -45.1070, -47.0830

Conversions

Conversions Part 2

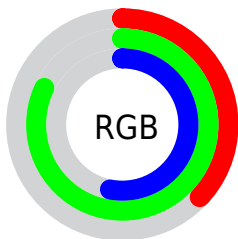
Format	Color
RYB	94, 178, 209
Decimal	6214024
CIELab	75.92, -48.88, 26.60
CIELCh	76, 55.651, 151.441
Yxy	49.7582, 0.2824, 0.4410
Android (android.graphics.Color)	4284404104 (0xFF5ED188)
YUV	166.2930, -14.9344, -63.4010
Hunter-Lab	70.5395, -42.8212, 23.1386

Details

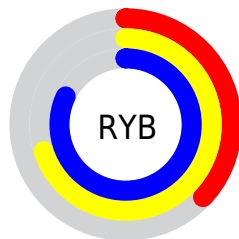
The XYZ color **31.8605, 49.7582, 31.2176** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **37.2739, 24.3518, 39.2968**, and the grayscale version is **36.4741, 38.3735, 41.7888**.

A 20% lighter version of the original color is **58.0032, 81.9131, 61.4689**, and **13.5962, 23.9738, 12.5051** is the 20% darker color. If you saturate the color by 10%, you get **29.1153, 48.4467, 26.4686**, and if you desaturate by 10%, it is **35.3052, 51.4196, 36.6109**.

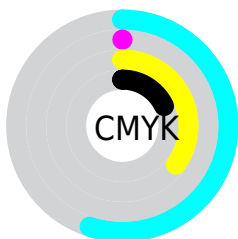
Distribution



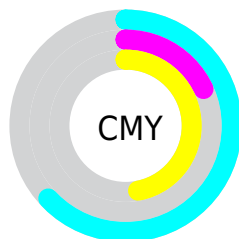
- Red (37%)
- Green (82%)
- Blue (53%)



- Red (37%)
- Yellow (70%)
- Blue (82%)



- Cyan (55%)
- Magenta (0%)
- Yellow (35%)
- Black (18%)





- Cyan (63%)
- Magenta (18%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8605, 49.7582, 31.2176 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 31.8605, 49.7582, 31.2176 by changing the saturation by 10% instead.


 31.8605, 49.7582,
31.2176


 31.8605, 49.7582,
31.2176


302.2399,
385.7196, 321.9217


 21.4100, 35.2213,
20.5047


 61.9590, 89.8165,
62.6661

 13.5382, 23.8334,
12.5748


 82.3377, 116.1067,
84.2388

 7.8797, 15.2101,
7.0091


 106.7565,
147.0835, 110.2686

 4.0692, 8.9670,
3.3893

 135.5809,
183.1312, 141.1739

 1.7414, 4.7196,
1.2967

169.1760,
224.6343, 177.3733

 0.4820, 2.0837,
0.0591

207.9073,

 0.0000, 0.6554,

271.9771, 219.2854

0.0000

252.1401,
325.5441, 267.3287

■ 0.0000, 0.0000,
0.0000

■ 31.8605, 49.7582,
31.2176

■ 31.8605, 49.7582,
31.2176

■ 29.1153, 48.4467,
26.4686

■ 35.3052, 51.4196,
36.6109

■ 27.0135, 47.4525,
22.3358

■ 39.4922, 53.4483,
42.6682

■ 25.4961, 46.7470,
18.7940

■ 44.4653, 55.8679,
49.4127

■ 24.4904, 46.2934,
15.8148

■ 50.2637, 58.6982,
56.8654

■ 24.1174, 46.1292,
14.5306

■ 56.9240, 61.9575,
65.0463

■ 64.4804, 65.6632,
73.9747

■ 72.9653, 69.8315,
83.6691

■ 80.0895, 73.2821,
94.0388

■ 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.



37.6415, 49.7582, 18.6157



31.8605, 49.7582, 31.2176



30.0379, 49.7582, 55.6266

Triad

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



31.8605, 49.7582, 31.2176



47.7967, 49.7582, 133.6064



66.4151, 49.7582, 29.5272

Complementary

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



31.8605, 49.7582, 31.2176



37.2739, 24.3518, 39.2968

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.



70.1442, 49.7582, 52.7552



31.8605, 49.7582, 31.2176



58.4692, 49.7582, 118.9173

Square

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



31.8605, 49.7582, 31.2176



38.3921, 49.7582, 121.3585



67.0457, 49.7582, 86.2993



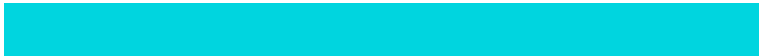
57.4747, 49.7582, 17.9203

Rectangle

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



31.8605, 49.7582, 31.2176



31.0638, 49.7582, 77.8342



67.0457, 49.7582, 86.2993



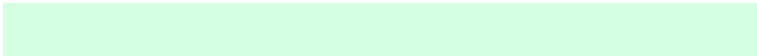
68.3738, 49.7582, 35.8784

Sweetspot

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



31.8618, 49.7602, 31.2187



76.7423, 91.0378, 86.5496



41.1312, 54.8187, 19.0034



16.0201, 19.2876, 18.0080



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.



31.8618, 49.7602, 31.2187



45.0209, 75.6752, 40.3195



36.9048, 51.7775, 57.7751



11.8322, 13.2766, 13.4728



14.9130, 28.4581, 9.1878



0.8716, 1.6063, 0.7123

Inverse Universe

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



37.2739, 24.3518, 39.2968



54.3094, 31.9021, 54.0607



33.1816, 22.7149, 17.7474



12.1200, 11.9327, 13.9076



18.8576, 9.4159, 14.6879



1.0918, 0.5414, 1.0184

Previews

White Background



This preview shows how the XYZ color 31.8605, 49.7582, 31.2176 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 31.8605, 49.7582, 31.2176 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 31.8605, 49.7582, 31.2176

Background



This preview shows how black text looks on a background with the XYZ color 31.8605, 49.7582, 31.2176.



This preview shows how white text looks on a background with the XYZ color 31.8605, 49.7582,

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

31.8605, 49.7582, 31.2176

Protanopia

45.4122, 49.0417, 26.8112

Deuteranopia

49.7918, 48.7294, 32.7680



Tritanopia

39.8916, 49.4661, 71.7354

Trichromacy



Original Color

31.8605, 49.7582, 31.2176



Protanomaly

38.2213, 47.8767, 28.3457



Deuteranomaly

40.1648, 47.1729, 31.7993



Tritanomaly

36.4032, 49.4452, 54.0796

Monochromacy



Original Color

31.8605, 49.7582, 31.2176



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.4596, 41.3979, 37.2374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8605, 49.7582, 31.2176 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(94, 209, 136)` looks like.

```
.text, #text, p{  
    color:rgb(94, 209, 136)  
}
```

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(94, 209, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 209, 136) }
```

Border

The CSS property to change the border of an element to XYZ 31.8605, 49.7582, 31.2176 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(94, 209, 136) }
```


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

```
.border{ border-color:rgb(94, 209, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 209, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 209, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 209, 136);  
box-shadow:4px 4px 4px 4px rgb(94, 209,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8605, 49.7582, 31.2176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 209, 136) }
```

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

```
.background{ background-color: rgb(94, 209,  
136) }
```

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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