

Converting Colors

XYZ(31.8322, 48.2309, 42.4291)

Have a look what the booklet for
XYZ(31.8322, 48.2309, 42.4291)
contains.

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Color

**XYZ(31.9066, 48.4492,
42.3203)**

Conversions

Conversions Part 1

Format	Color
Hex	4FCEA3
RGB	79, 206, 163
RGB Percent	31%, 81%, 64%
CMY	0.6902, 0.1921, 0.3608
CMYK	0.62, 0.00, 0.21, 0.19
HSL	160°, 56%, 56%
HSV	160°, 62%, 81%
XYZ	31.9066, 48.4492, 42.3203
YIQ	163.1250, -61.8890, -40.2970

Conversions

Conversions Part 2

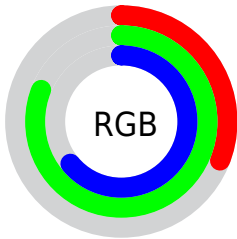
Format	Color
RYB	79, 155, 206
Decimal	5230243
CIELab	75.11, -45.21, 11.12
CIELCh	75, 46.556, 166.176
Yxy	48.4492, 0.2601, 0.3949
Android (android.graphics.Color)	4283420323 (0xFF4FCEA3)
YUV	163.1250, -0.0616, -73.7776
Hunter-Lab	69.6055, -39.9865, 12.6753

Details

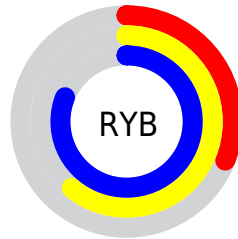
The XYZ color **31.9066, 48.4492, 42.3203** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **31.7640, 20.1201, 20.6236**, and the grayscale version is **34.8942, 36.7114, 39.9787**.

A 20% lighter version of the original color is **59.2301, 82.1574, 79.0659**, and **13.9359, 23.2809, 18.7981** is the 20% darker color. If you saturate the color by 10%, you get **29.8436, 47.4572, 39.0515**, and if you desaturate by 10%, it is **34.5375, 49.7325, 45.7978**.

Distribution



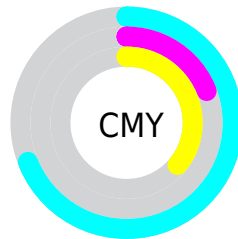
- Red (31%)
- Green (81%)
- Blue (64%)



- Red (31%)
- Yellow (61%)
- Blue (81%)



- Cyan (62%)
- Magenta (0%)
- Yellow (21%)
- Black (19%)




- Cyan (69%)
- Magenta (19%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9066, 48.4492, 42.3203 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 31.9066, 48.4492, 42.3203 by changing the saturation by 10% instead.


 31.9066, 48.4492,
42.3203


 31.9066, 48.4492,
42.3203


302.4464,
380.5699, 371.6477


 21.4454, 34.1828,
29.0247


 62.0308, 87.8728,
79.9595


 13.5643, 23.0340,
18.8538


 82.4245, 113.7988,
105.1402

 7.8979, 14.6186,
11.3889


 106.8598,
144.3801, 135.1196

 4.0809, 8.5522,
6.2116

 135.7019,
180.0011, 170.3164

 1.7480, 4.4503,
2.9033

169.3163,
221.0462, 211.1491

 0.4860, 1.9285,
1.0455

208.0682,

 0.0000, 0.5654,

267.8997, 258.0362

0.0000

252.3232,
320.9462, 311.3962

■ 0.0000, 0.0000,
0.0000

■ 31.9066, 48.4492,
42.3203

■ 31.9066, 48.4492,
42.3203

■ 29.8436, 47.4572,
39.0515

■ 34.5375, 49.7325,
45.7978

■ 28.2931, 46.7242,
35.9827

■ 37.7773, 51.3244,
49.4855

■ 27.1952, 46.2206,
33.1093

■ 41.6676, 53.2476,
53.3892

■ 26.5340, 45.9290,
30.8530

■ 46.2451, 55.5208,
57.5133

■ 51.5438, 58.1616,
61.8619

■ 57.5953, 61.1862,
66.4392

■ 64.4292, 64.6099,
71.2490

■ 72.0736, 68.4469,
76.2952

■ 77.0093, 70.8831,
81.4154

Harmonies

Analogous

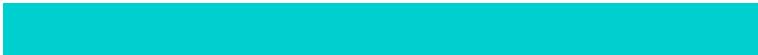
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.2153, 48.4492, 26.4834



31.9066, 48.4492, 42.3203



32.0430, 48.4492, 66.9286

Triad

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



31.9066, 48.4492, 42.3203



50.7645, 48.4492, 111.8404



58.3468, 48.4492, 25.6328

Complementary

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



31.9066, 48.4492, 42.3203



31.7640, 20.1201, 20.6236

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.



63.6379, 48.4492, 40.7351



31.9066, 48.4492, 42.3203



58.9051, 48.4492, 92.3538

Square

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



31.9066, 48.4492, 42.3203



42.2459, 48.4492, 112.6647



63.8540, 48.4492, 64.7730



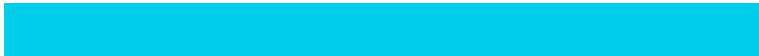
50.0748, 48.4492, 19.0572

Rectangle

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



31.9066, 48.4492, 42.3203



34.0539, 48.4492, 85.5653



63.8540, 48.4492, 64.7730



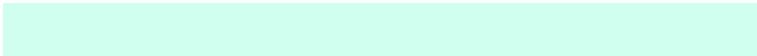
60.5754, 48.4492, 29.6277

Sweetspot

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



31.9079, 48.4511, 42.3214



77.7306, 91.3490, 95.5521



31.7170, 48.9534, 15.1752



16.1192, 19.2944, 20.0149



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.



31.9079, 48.4511, 42.3214



47.4428, 76.4550, 61.6086



32.1262, 41.6398, 64.7388



11.3755, 12.6600, 13.5350



16.3850, 28.2993, 19.2445



0.8798, 1.4738, 1.1748

Inverse Universe

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



31.7640, 20.1201, 20.6236



47.2480, 26.8085, 23.8715



31.2387, 22.4323, 10.0813



11.3664, 11.2753, 12.4643



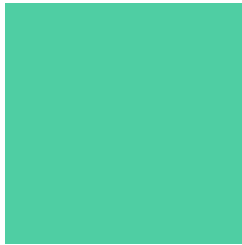
16.3903, 8.3667, 4.5082



0.8809, 0.4458, 0.4187

Previews

White Background



This preview shows how the XYZ color 31.9066, 48.4492, 42.3203 looks on a white background.

Color Contrast Check

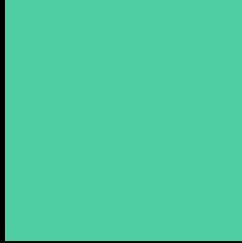
Large Text (above 18pt) WCAG AA × Fail

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 31.9066, 48.4492, 42.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

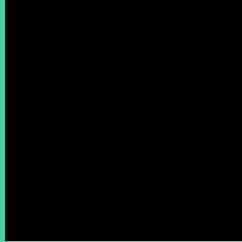
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

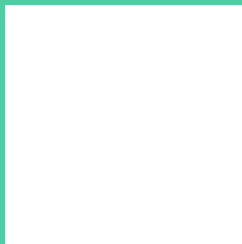
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9066, 48.4492, 42.3203

Background



This preview shows how black text looks on a background with the XYZ color 31.9066, 48.4492, 42.3203.



This preview shows how white text looks on a background with the XYZ color 31.9066, 48.4492,

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

31.9066, 48.4492, 42.3203

Protanopia

44.8491, 47.6033, 36.5303

Deuteranopia

48.6157, 47.5743, 44.1565



Tritanopia

37.7262, 48.3498, 71.6340

Trichromacy



Original Color

31.9066, 48.4492, 42.3203



Protanomaly

37.5804, 46.3373, 38.4158



Deuteranomaly

39.4555, 46.2300, 43.4030



Tritanomaly

35.3987, 48.4507, 59.7108

Monochromacy



Original Color

31.9066, 48.4492, 42.3203



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.2467, 39.7901, 40.6310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9066, 48.4492, 42.3203 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(79, 206, 163)` looks like.

```
.text, #text, p{  
    color:rgb(79, 206, 163)  
}
```

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(79, 206, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 206, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.9066, 48.4492, 42.3203 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(79, 206, 163) }
```


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

```
.border{ border-color:rgb(79, 206, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 206, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 206, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 206, 163);  
box-shadow:4px 4px 4px 4px rgb(79, 206,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9066, 48.4492, 42.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 206, 163) }
```

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

```
.background{ background-color: rgb(79, 206,  
163) }
```

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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