

Converting Colors

XYZ(34.7775, 49.0610, 29.2938)

Have a look what the booklet for
XYZ(34.7775, 49.0610, 29.2938)
contains.

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Color

**XYZ(34.8809, 49.2031,
29.4885)**

Conversions

Conversions Part 1

Format	Color
Hex	83CB84
RGB	131, 203, 132
RGB Percent	51%, 80%, 52%
CMY	0.4863, 0.2039, 0.4823
CMYK	0.35, 0.00, 0.35, 0.20
HSL	121°, 41%, 65%
HSV	121°, 35%, 80%
XYZ	34.8809, 49.2031, 29.4885
YIQ	173.3780, -20.1210, -37.3450

Conversions

Conversions Part 2

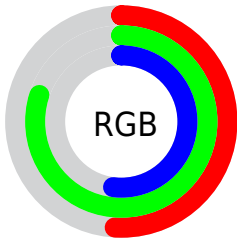
Format	Color
RYB	131, 202, 203
Decimal	8637316
CIELab	75.58, -36.76, 28.49
CIELCh	76, 46.507, 142.216
Yxy	49.2031, 0.3071, 0.4332
Android (android.graphics.Color)	4286827396 (0xFF83CB84)
YUV	173.3780, -20.3994, -37.1655
Hunter-Lab	70.1449, -33.9911, 24.1763

Details

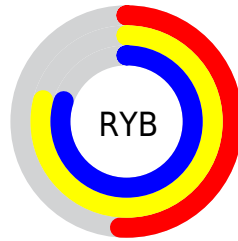
The XYZ color **34.8809, 49.2031, 29.4885** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.4072, 33.1944, 59.9985**, and the grayscale version is **40.0229, 42.1072, 45.8547**.

A 20% lighter version of the original color is **64.8726, 85.5043, 59.5392**, and **15.2548, 23.4087, 11.6970** is the 20% darker color. If you saturate the color by 10%, you get **30.7986, 47.2434, 22.8201**, and if you desaturate by 10%, it is **39.8446, 51.5897, 37.5722**.

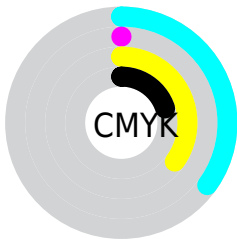
Distribution



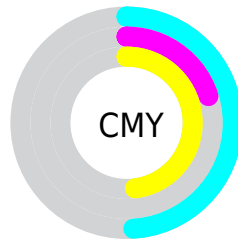
- Red (51%)
- Green (80%)
- Blue (52%)



- Red (51%)
- Yellow (79%)
- Blue (80%)



- Cyan (35%)
- Magenta (0%)
- Yellow (35%)
- Black (20%)





- Cyan (49%)
- Magenta (20%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8809, 49.2031, 29.4885 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 34.8809, 49.2031, 29.4885 by changing the saturation by 10% instead.


 34.8809, 49.2031,
29.4885


 34.8809, 49.2031,
29.4885


315.5596,
383.5413, 313.6457


 23.7372, 34.7806,
19.2019


 66.6365, 88.9930,
59.9037

 15.2625, 23.4939,
11.6380


 87.9791, 115.1293,
80.8695

 9.0913, 14.9586,
6.3781


 113.4520,
145.9389, 106.2320

 4.8584, 8.7904,
3.0039

143.4207,
181.8062, 136.4099

 2.1983, 4.6047,
1.0966

178.2504,
223.1158, 171.8217

 0.7419, 2.0172,
0.0000

218.3066,

 0.0000, 0.6175,

270.2519, 212.8859

0.0000

263.9545,
323.5989, 260.0210

■ 0.0000, 0.0000,
0.0000

■ 34.8809, 49.2031,
29.4885

■ 34.8809, 49.2031,
29.4885

■ 30.7986, 47.2434,
22.8201

■ 39.8446, 51.5897,
37.5722

■ 27.5427, 45.6797,
17.4827

■ 45.7330, 54.4195,
47.1428

■ 25.0579, 44.4868,
13.3880

■ 52.5912, 57.7158,
58.2706

■ 23.2807, 43.6341,
10.4356

■ 60.4599, 61.4983,
71.0208

■ 22.1373, 43.0861,
8.5098

■ 69.3780, 65.7854,
85.4547

■ 21.5377, 42.7994,
7.4703

■ 79.3819, 70.5950,
101.6305

■ 21.3723, 42.7200,
7.2004

■ 80.6469, 71.1938,
104.0990

Harmonies

Analogous

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



40.7905, 49.2031, 20.6122



34.8809, 49.2031, 29.4885



32.2260, 49.2031, 47.4142

Triad

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



34.8809, 49.2031, 29.4885



44.5627, 49.2031, 115.4972



63.7986, 49.2031, 37.5942

Complementary

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



34.8809, 49.2031, 29.4885



43.4072, 33.1944, 59.9985

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.



65.1297, 49.2031, 60.2450



34.8809, 49.2031, 29.4885



53.2984, 49.2031, 110.4365

Square

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



34.8809, 49.2031, 29.4885



37.3519, 49.2031, 100.3730



61.0841, 49.2031, 88.1279



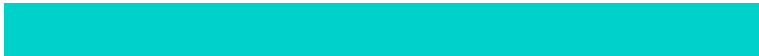
57.6424, 49.2031, 24.1936

Rectangle

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



34.8809, 49.2031, 29.4885



32.3995, 49.2031, 64.2278



61.0841, 49.2031, 88.1279



64.8533, 49.2031, 44.1684

Sweetspot

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



34.8822, 49.2052, 29.4896



81.3349, 93.4076, 86.6619



50.0834, 57.0496, 29.8452



17.0780, 19.8340, 18.0121



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.



34.8822, 49.2052, 29.4896



52.7554, 79.6742, 40.1501



37.6925, 50.3293, 44.2884



11.0743, 12.5395, 11.9486



13.6034, 27.1867, 4.5967



0.7040, 1.4034, 0.2490

Inverse Universe

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



43.4072, 33.1944, 59.9985



69.2245, 48.7402, 99.0858



39.7215, 31.7201, 40.5896



11.6806, 11.4010, 14.1185



22.3245, 10.7404, 35.7568



1.1539, 0.5550, 1.8563

Previews

White Background



This preview shows how the XYZ color 34.8809, 49.2031, 29.4885 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 34.8809, 49.2031, 29.4885 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 34.8809, 49.2031, 29.4885

Background



This preview shows how black text looks on a background with the XYZ color 34.8809, 49.2031, 29.4885.



This preview shows how white text looks on a background with the XYZ color 34.8809, 49.2031,

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

34.8809, 49.2031, 29.4885

Protanopia

45.1380, 48.5961, 26.4030

Deuteranopia

49.7213, 48.7358, 30.8311



Tritanopia

42.6545, 49.2980, 67.5889

Trichromacy



Original Color

34.8809, 49.2031, 29.4885

Protanomaly

40.6504, 48.4879, 27.6387

Deuteranomaly

42.7078, 47.8830, 30.2840

Tritanomaly

39.2912, 48.9314, 51.0899

Monochromacy



Original Color

34.8809, 49.2031, 29.4885

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

37.4126, 44.0187, 38.8724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8809, 49.2031, 29.4885 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(131, 203, 132)` looks like.

```
.text, #text, p{  
    color:rgb(131, 203, 132)  
}
```

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(131, 203, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 203, 132) }
```

Border

The CSS property to change the border of an element to XYZ 34.8809, 49.2031, 29.4885 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(131, 203, 132) }
```


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

```
.border{ border-color:rgb(131, 203, 132) }
```

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

Here you see how a box with a 4 pixel rgb(131, 203, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 203, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 203, 132);  
box-shadow:4px 4px 4px 4px rgb(131, 203,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8809, 49.2031, 29.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 203, 132) }
```

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

```
.background{ background-color: rgb(131,  
203, 132) }
```

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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