

Converting Colors

CIELCh(55, 34.072, 158.591)

Have a look what the booklet for
CIELCh(55, 34.072, 158.591)
contains.

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Color

CIELCh(55, 34.297, 158.216)

Conversions

Conversions Part 1

Format	Color
Hex	49926D
RGB	73, 146, 109
RGB Percent	29%, 57%, 43%
CMY	0.7153, 0.4290, 0.5740
CMYK	0.50, 0.00, 0.25, 0.43
HSL	150°, 33%, 43%
HSV	150°, 50%, 57%
XYZ	15.6735, 22.9298, 17.9607
YIQ	119.9550, -31.6310, -26.9830

Conversions

Conversions Part 2

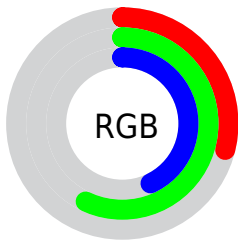
Format	Color
R_{YB}	73, 122, 146
Decimal	4821613
CIE _{Lab}	55.00, -31.85, 12.73
CIE _{LCh}	55, 34.297, 158.216
Yxy	22.9298, 0.2771, 0.4054
Android (android.graphics.Color)	4283011693 (0xFF49926D)
YUV	119.9550, -5.4008, -41.1795
Hunter-Lab	47.8851, -25.3731, 11.2812

Details

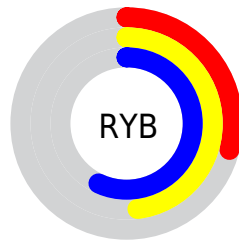
The CIELCh color **55, 34.297, 158.216** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **41, 36.104, 348.438**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 33.937, 158.707**, and **35, 34.598, 157.853** is the 20% darker color. If you saturate the color by 10%, you get **54, 40.287, 156.786**, and if you desaturate by 10%, it is **56, 27.878, 159.480**.

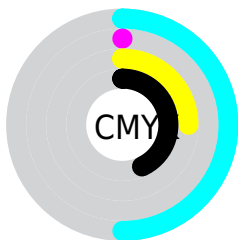
Distribution



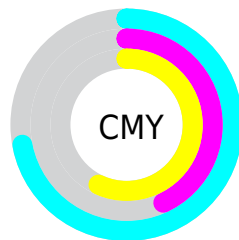
- Red (29%)
- Green (57%)
- Blue (43%)



- Red (29%)
- Yellow (48%)
- Blue (57%)



- Cyan (50%)
- Magenta (0%)
- Yellow (25%)
- Black (43%)





- Cyan (72%)
- Magenta (43%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 34.297, 158.216 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 CIELCh color 55, 34.297, 158.216 by changing the saturation by 10% instead.


 55, 34.297,
158.216


 55, 34.297,
158.216


 100, 34.297,
158.216


 45, 34.297,
158.216


 75, 34.297,
158.216

 35, 34.297,
158.216

 85, 34.297,
158.216

 25, 34.297,
158.216

 95, 34.297,
158.216

 15, 34.297,
158.216

 5, 34.297, 158.216

 0, 34.297, 158.216

■ 55, 34.297,
158.216

■ 55, 34.297,
158.216

■ 54, 40.287,
156.786

■ 56, 27.878,
159.480

■ 54, 45.742,
155.170

■ 57, 21.142,
160.603

■ 53, 50.589,
153.354

■ 58, 14.201,
161.607

■ 53, 54.797,
151.339

■ 59, 7.156, 162.524

■ 53, 58.474,
149.291

■ 60, 0.093, 166.733

■ 62, 6.920, 343.980

■ 63, 13.831,
344.680

■ 65, 20.601,
345.314

■ 67, 27.207,
345.899

Harmonies

Complementary

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



55, 34.297, 158.216



41, 36.104, 348.438

Rectangle

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



55, 34.297, 158.216



55, 34.297, 208.216



55, 34.297, 338.216



55, 34.297, 28.216

Sweetspot

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



55, 34.298, 158.215



74, 13.081, 162.058



56, 42.837, 126.211



38, 8.894, 161.886



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 34.298, 158.215



69, 49.530, 156.619



56, 23.868, 195.496



31, 4.038, 162.607



50, 56.003, 149.417



2, 3.535, 163.307

Inverse Universe

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



41, 36.104, 348.438



49, 52.168, 350.174



40, 33.657, 23.688



29, 4.086, 343.995



29, 53.780, 0.286



1, 3.535, 343.297

Previews

White Background



This preview shows how the CIELCh color 55, 34.297, 158.216 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 34.297, 158.216 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 × Fail

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

CIELCh 55, 34.297, 158.216

Background



This preview shows how black text looks on a background with the CIELCh color 55, 34.297, 158.216.



This preview shows how white text looks on a background with the CIELCh color 55, 34.297, 158.216.

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
55, 34.297, 158.216

Protanopia
55, 16.999, 94.942

Deuteranopia
55, 12.690, 55.905



Tritanopia
55, 19.300, 217.071

Trichromacy



Original Color
55, 34.297, 158.216

Protanomaly
54, 20.248, 133.311

Deuteranomaly
54, 13.406, 128.356

Tritanomaly
55, 21.761, 188.124

Monochromacy



Original Color
55, 34.297, 158.216

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 12.809, 161.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 34.297, 158.216 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(73, 146, 109)` looks like.

```
.text, #text, p{  
    color:rgb(73, 146, 109)  
}
```

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(73, 146, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 146, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 34.297, 158.216 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(73, 146, 109) }
```

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

```
.border{ border-color:rgb(73, 146, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 146, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 146, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 146, 109);  
box-shadow:4px 4px 4px 4px rgb(73, 146,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 34.297, 158.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 146, 109) }
```

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

```
.background{ background-color: rgb(73, 146,  
109) }
```

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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