

Converting Colors

CIELCh(57, 34.240, 166.392)

Have a look what the booklet for
CIELCh(57, 34.240, 166.392)
contains.

CIELCh(57, 34.375, 166.450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(57, 34.375, 166.450)

Conversions

Conversions Part 1

Format	Color
Hex	42987A
RGB	66, 152, 122
RGB Percent	26%, 60%, 48%
CMY	0.7422, 0.4049, 0.5225
CMYK	0.57, 0.00, 0.20, 0.40
HSL	159°, 40%, 43%
HSV	159°, 57%, 60%
XYZ	16.9140, 24.9227, 22.2534
YIQ	122.8660, -41.6260, -27.5620

Conversions

Conversions Part 2

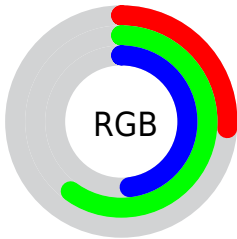
Format	Color
RYB	66, 118, 152
Decimal	4364410
CIELab	57.00, -33.42, 8.05
CIElCh	57, 34.375, 166.450
Yxy	24.9227, 0.2639, 0.3889
Android (android.graphics.Color)	4282554490 (0xFF42987A)
YUV	122.8660, -0.4269, -49.8715
Hunter-Lab	49.9226, -26.8881, 8.5168

Details

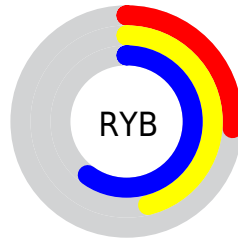
The CIELCh color **57, 34.375, 166.450** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **40, 39.216, 0.251**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 34.613, 166.105**, and **37, 33.560, 165.653** is the 20% darker color. If you saturate the color by 10%, you get **56, 39.126, 164.926**, and if you desaturate by 10%, it is **58, 29.078, 167.813**.

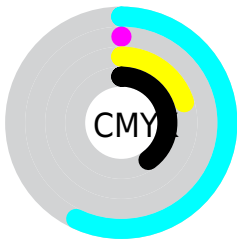
Distribution



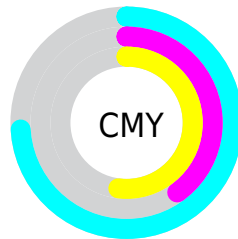
- Red (26%)
- Green (60%)
- Blue (48%)



- Red (26%)
- Yellow (46%)
- Blue (60%)



- Cyan (57%)
- Magenta (0%)
- Yellow (20%)
- Black (40%)




- Cyan (74%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 34.375, 166.450 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 57, 34.375, 166.450 by changing the saturation by 10% instead.


 57, 34.375,
166.450

 57, 34.375,
166.450

 100, 34.375,
166.450

 47, 34.375,
166.450


 77, 34.375,
166.450

 37, 34.375,
166.450

 87, 34.375,
166.450

 27, 34.375,
166.450

 97, 34.375,
166.450

 17, 34.375,
166.450

 7, 34.375, 166.450

 0, 34.375, 166.450

■ 57, 34.375,
166.450

■ 57, 34.375,
166.450

■ 56, 39.126,
164.926

■ 58, 29.078,
167.813

■ 56, 43.263,
163.221

■ 59, 23.327,
169.042

■ 56, 46.759,
161.320

■ 60, 17.226,
170.159

■ 55, 49.679,
159.247

■ 61, 10.879,
171.187

■ 55, 50.610,
158.580

■ 62, 4.381, 172.174

■ 63, 2.186, 352.787

■ 65, 8.754, 353.730

■ 66, 15.272,
354.516

■ 68, 21.698,
355.249

Harmonies

Complementary

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



57, 34.375, 166.450



40, 39.216, 0.251

Rectangle

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



57, 34.375, 166.450



57, 34.375, 216.450



57, 34.375, 346.450



57, 34.375, 36.450

Sweetspot

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



57, 34.376, 166.449



77, 13.669, 171.122



57, 52.027, 131.468



40, 9.202, 170.940



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



57, 34.376, 166.449



71, 48.743, 164.492



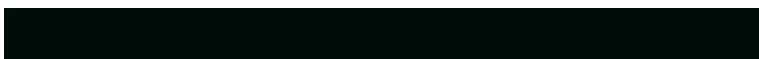
54, 23.375, 216.184



32, 3.727, 171.919



51, 47.643, 158.751



3, 4.079, 171.976

Inverse Universe

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



40, 39.216, 0.251



48, 56.558, 3.387



42, 36.211, 36.222



30, 3.810, 353.459



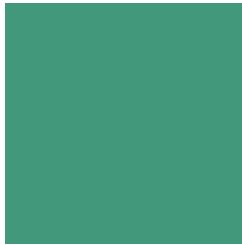
29, 54.835, 15.245



1, 4.039, 353.059

Previews

White Background



This preview shows how the CIELCh color 57, 34.375, 166.450 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 57, 34.375, 166.450 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 57, 34.375, 166.450

Background



This preview shows how black text looks on a background with the CIELCh color 57, 34.375, 166.450.

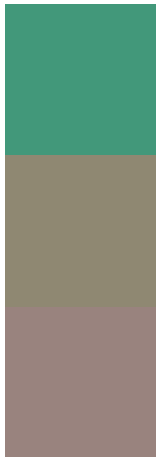


This preview shows how white text looks on a background with the CIELCh color 57, 34.375, 166.450.

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
57, 34.375, 166.450

Protanopia
57, 12.827, 95.451

Deuteranopia
57, 9.498, 37.590



Tritanopia
57, 22.540, 215.405

Trichromacy



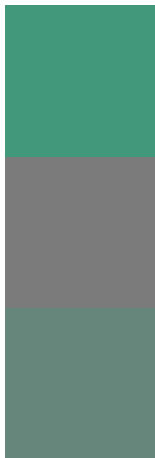
Original Color
57, 34.375, 166.450

Protanomaly
56, 17.925, 145.311

Deuteranomaly
56, 11.207, 148.595

Tritanomaly
57, 24.767, 191.788

Monochromacy



Original Color
57, 34.375, 166.450

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 13.324, 172.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 34.375, 166.450 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(66, 152, 122)` looks like.

```
.text, #text, p{  
    color:rgb(66, 152, 122)  
}
```

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(66, 152, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 152, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 34.375, 166.450 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(66, 152, 122) }
```

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

```
.border{ border-color:rgb(66, 152, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 152, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 152, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 152, 122);  
box-shadow:4px 4px 4px 4px rgb(66, 152,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 34.375, 166.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 152, 122) }
```

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

```
.background{ background-color: rgb(66, 152,  
122) }
```

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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