

Converting Colors

CIELCh(64, 34.299, 166.836)

Have a look what the booklet for
CIELCh(64, 34.299, 166.836)
contains.

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Color

CIELCh(64, 34.531, 166.501)

Conversions

Conversions Part 1

Format	Color
Hex	55AB8C
RGB	85, 171, 140
RGB Percent	33%, 67%, 55%
CMY	0.6680, 0.3307, 0.4522
CMYK	0.50, 0.00, 0.18, 0.33
HSL	158°, 34%, 50%
HSV	158°, 50%, 67%
XYZ	22.9276, 32.8017, 29.8127
YIQ	141.7520, -41.3050, -27.8730

Conversions

Conversions Part 2

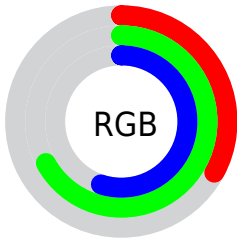
Format	Color
RYB	85, 137, 171
Decimal	5614476
CIELab	64.00, -33.58, 8.06
CIElCh	64, 34.531, 166.501
Yxy	32.8017, 0.2680, 0.3835
Android (android.graphics.Color)	4283804556 (0xFF55AB8C)
YUV	141.7520, -0.8637, -49.7715
Hunter-Lab	57.2727, -28.7696, 9.2281

Details

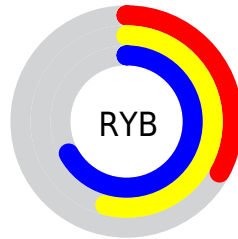
The CIELCh color **64, 34.531, 166.501** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **47, 38.714, 358.250**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 34.486, 166.757**, and **44, 34.408, 166.566** is the 20% darker color. If you saturate the color by 10%, you get **63, 40.204, 165.051**, and if you desaturate by 10%, it is **65, 28.314, 167.799**.

Distribution



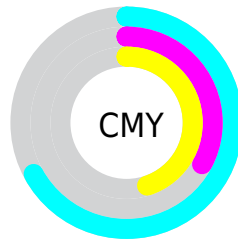
- Red (33%)
- Green (67%)
- Blue (55%)



- Red (33%)
- Yellow (54%)
- Blue (67%)



- Cyan (50%)
- Magenta (0%)
- Yellow (18%)
- Black (33%)





- Cyan (67%)
- Magenta (33%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 34.531, 166.501 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 64, 34.531, 166.501 by changing the saturation by 10% instead.

 64, 34.531,
166.501


 64, 34.531,
166.501


 100, 34.531,
166.501


 54, 34.531,
166.501


 84, 34.531,
166.501

 44, 34.531,
166.501

 94, 34.531,
166.501

 34, 34.531,
166.501

 24, 34.531,
166.501

 14, 34.531,
166.501

 4, 34.531, 166.501

 0, 34.531, 166.501

■ 64, 34.531,
166.501

■ 64, 34.531,
166.501

■ 63, 40.204,
165.051

■ 65, 28.314,
167.799

■ 63, 45.236,
163.426

■ 66, 21.665,
168.971

■ 62, 49.569,
161.608

■ 67, 14.704,
170.041

■ 62, 53.197,
159.585

■ 68, 7.543, 171.040


■ 62, 56.187,
157.535

■ 70, 0.280, 173.336

■ 71, 7.004, 352.664

■ 73, 14.244,
353.478

■ 75, 21.392,
354.228

 77, 28.412,
354.934

Harmonies

Complementary

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



64, 34.531, 166.501



47, 38.714, 358.250

Rectangle

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



64, 34.531, 166.501



64, 34.531, 216.501



64, 34.531, 346.501



64, 34.531, 36.501

Sweetspot

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



64, 34.532, 166.500



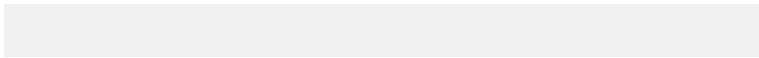
86, 13.443, 170.559



64, 51.083, 131.216



46, 9.232, 170.354



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 34.532, 166.500



80, 49.335, 164.946



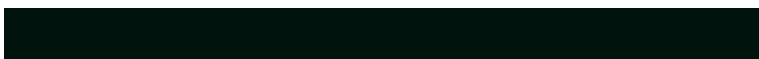
61, 23.883, 213.332



35, 4.063, 171.150



54, 50.320, 157.823



5, 7.839, 167.135

Inverse Universe

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



47, 38.714, 358.250



56, 56.280, 0.509



49, 35.087, 34.329



33, 4.151, 352.710



31, 56.863, 14.437



2, 7.246, 355.261

Previews

White Background



This preview shows how the CIELCh color 64, 34.531, 166.501 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 CIELCh color 64, 34.531, 166.501 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](#).

CIELCh 64, 34.531, 166.501

Background



This preview shows how black text looks on a background with the CIELCh color 64, 34.531, 166.501.

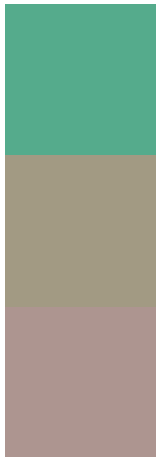


This preview shows how white text looks on a background with the CIELCh color 64, 34.531, 166.501.

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

64, 34.531, 166.501

Protanopia

64, 13.175, 94.417

Deuteranopia

64, 10.027, 36.244



Tritanopia
64, 22.824, 217.917

Trichromacy



Original Color
64, 34.531, 166.501

Protanomaly
63, 17.755, 143.463

Deuteranomaly
63, 10.471, 145.584

Tritanomaly
64, 24.566, 194.704

Monochromacy



Original Color
64, 34.531, 166.501

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 13.332, 170.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 34.531, 166.501 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(85, 171, 140)` looks like.

```
.text, #text, p{  
    color:rgb(85, 171, 140)  
}
```

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(85, 171, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 171, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 34.531, 166.501 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(85, 171, 140) }
```

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

```
.border{ border-color:rgb(85, 171, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 171, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 171, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 171, 140);  
box-shadow:4px 4px 4px 4px rgb(85, 171,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 34.531, 166.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 171, 140) }
```

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

```
.background{ background-color: rgb(85, 171,  
140) }
```

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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