

Converting Colors

CIELCh(64, 35.150, 161.540)

Have a look what the booklet for
CIELCh(64, 35.150, 161.540)
contains.

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Color

CIELCh(64, 34.971, 161.561)

Conversions

Conversions Part 1

Format	Color
Hex	5AAA86
RGB	90, 170, 134
RGB Percent	35%, 67%, 53%
CMY	0.6457, 0.3320, 0.4732
CMYK	0.47, 0.00, 0.21, 0.33
HSL	153°, 32%, 51%
HSV	153°, 47%, 67%
XYZ	23.0164, 32.8017, 27.7937
YIQ	141.9760, -36.1240, -28.1560

Conversions

Conversions Part 2

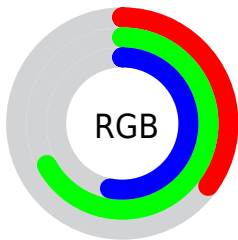
Format	Color
RYB	90, 142, 170
Decimal	5941894
CIELab	64.00, -33.18, 11.06
CIELCh	64, 34.971, 161.561
Yxy	32.8017, 0.2753, 0.3923
Android (android.graphics.Color)	4284131974 (0xFF5AAA86)
YUV	141.9760, -3.9322, -45.5830
Hunter-Lab	57.2727, -28.4928, 11.3183

Details

The CIELCh color **64, 34.971, 161.561** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **49, 37.473, 351.583**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 35.272, 161.420**, and **44, 34.953, 161.366** is the 20% darker color. If you saturate the color by 10%, you get **63, 41.496, 160.147**, and if you desaturate by 10%, it is **65, 27.973, 162.816**.

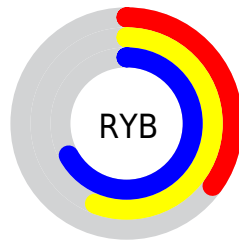
Distribution



Red (35%)

Green (67%)

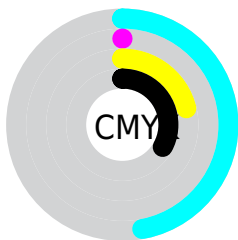
Blue (53%)



Red (35%)

Yellow (56%)

Blue (67%)

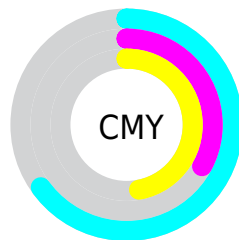


Cyan (47%)

Magenta (0%)

Yellow (21%)

Black (33%)



Cyan (65%)


Magenta (33%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 34.971, 161.561 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, 34.971, 161.561 by changing the saturation by 10% instead.


 64, 34.971,
161.561


 64, 34.971,
161.561


 100, 34.971,
161.561


 54, 34.971,
161.561


 84, 34.971,
161.561

 44, 34.971,
161.561

 94, 34.971,
161.561

 34, 34.971,
161.561

 24, 34.971,
161.561

 14, 34.971,
161.561

 4, 34.971, 161.561

 0, 34.971, 161.561

■ 64, 34.971,
161.561

■ 64, 34.971,
161.561

■ 63, 41.496,
160.147

■ 65, 27.973,
162.816

■ 63, 47.430,
158.554

■ 66, 20.626,
163.938

■ 62, 52.686,
156.760

■ 67, 13.053,
164.954

■ 62, 57.228,
154.758

■ 69, 5.366, 165.906

■ 61, 61.106,
152.581

■ 70, 2.344, 346.506

■ 72, 10.001,
347.395

■ 61, 62.233,
151.940

■ 74, 17.551,
348.121

■ 76, 24.952,
348.790

■ 78, 32.179,
349.414

Harmonies

Complementary

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



64, 34.971, 161.561



49, 37.473, 351.583

Rectangle

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



64, 34.971, 161.561



64, 34.971, 211.561



64, 34.971, 341.561



64, 34.971, 31.561

Sweetspot

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



64, 34.972, 161.560



86, 13.366, 165.215



65, 46.374, 128.084



46, 9.296, 165.013



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, 34.972, 161.560



80, 50.567, 160.141



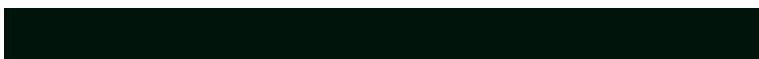
64, 24.711, 200.847



35, 4.318, 165.685



54, 55.776, 152.230



5, 8.322, 162.326

Inverse Universe

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



49, 37.473, 351.583



58, 54.603, 353.271



48, 34.805, 26.574



33, 4.384, 347.169



31, 56.250, 5.867



2, 7.587, 350.187

Previews

White Background



This preview shows how the CIELCh color 64, 34.971, 161.561 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 CIE LCh color 64, 34.971, 161.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

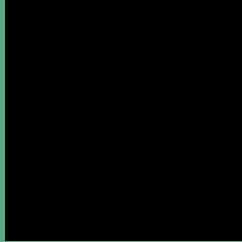
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 34.971, 161.561

Background



This preview shows how black text looks on a background with the CIELCh color 64, 34.971, 161.561.

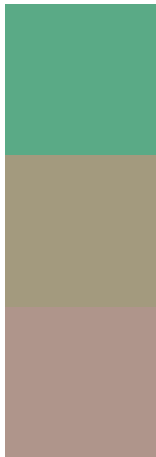


This preview shows how white text looks on a background with the CIELCh color 64, 34.971, 161.561.

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, 34.971, 161.561

Protanopia
64, 15.969, 95.006

Deuteranopia
64, 11.978, 47.724



Tritanopia
64, 21.136, 219.746

Trichromacy



Original Color
64, 34.971, 161.561

Protanomaly
63, 19.522, 136.167

Deuteranomaly
63, 12.284, 133.606

Tritanomaly
64, 22.987, 191.823

Monochromacy



Original Color
64, 34.971, 161.561

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 13.347, 164.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 34.971, 161.561 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(90, 170, 134)` looks like.

```
.text, #text, p{  
    color:rgb(90, 170, 134)  
}
```

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(90, 170, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 170, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 34.971, 161.561 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(90, 170, 134) }
```

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

```
.border{ border-color:rgb(90, 170, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 170, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 170, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 170, 134);  
box-shadow:4px 4px 4px 4px rgb(90, 170,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 34.971, 161.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 170, 134) }
```

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

```
.background{ background-color: rgb(90, 170,  
134) }
```

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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