

Converting Colors

CIELCh(64, 37.062, 163.613)

Have a look what the booklet for
CIELCh(64, 37.062, 163.613)
contains.

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Color

CIELCh(64, 36.965, 163.511)

Conversions

Conversions Part 1

Format	Color
Hex	52AB87
RGB	82, 171, 135
RGB Percent	32%, 67%, 53%
CMY	0.6772, 0.3282, 0.4695
CMYK	0.52, 0.00, 0.21, 0.33
HSL	156°, 35%, 50%
HSV	156°, 52%, 67%
XYZ	22.5173, 32.8017, 28.1695
YIQ	140.2850, -41.4880, -30.0640

Conversions

Conversions Part 2

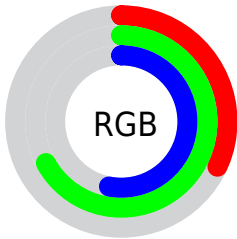
Format	Color
RYB	82, 138, 171
Decimal	5417863
CIELab	64.00, -35.44, 10.49
CIElCh	64, 36.965, 163.511
Yxy	32.8017, 0.2697, 0.3929
Android (android.graphics.Color)	4283607943 (0xFF52AB87)
YUV	140.2850, -2.6055, -51.1159
Hunter-Lab	57.2727, -30.0483, 10.9292

Details

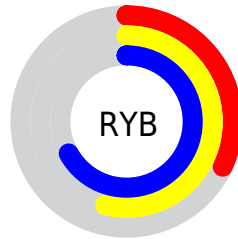
The CIELCh color **64, 36.965, 163.511** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **47, 40.621, 355.443**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 37.190, 163.355**, and **44, 37.039, 163.318** is the 20% darker color. If you saturate the color by 10%, you get **63, 42.892, 162.015**, and if you desaturate by 10%, it is **65, 30.490, 164.842**.

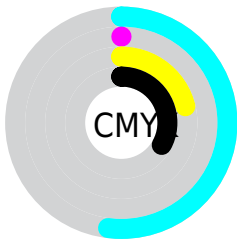
Distribution



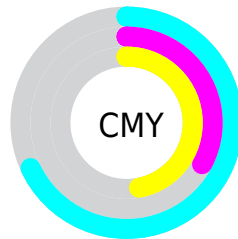
- Red (32%)
- Green (67%)
- Blue (53%)



- Red (32%)
- Yellow (54%)
- Blue (67%)



- Cyan (52%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)





- Cyan (68%)
- Magenta (33%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 36.965, 163.511 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, 36.965, 163.511 by changing the saturation by 10% instead.


 64, 36.965,
163.511


 64, 36.965,
163.511


 100, 36.965,
163.511


 54, 36.965,
163.511


 84, 36.965,
163.511

 44, 36.965,
163.511

 94, 36.965,
163.511

 34, 36.965,
163.511

 24, 36.965,
163.511

 14, 36.965,
163.511

 4, 36.965, 163.511

 0, 36.965, 163.511

■ 64, 36.965,
163.511

■ 64, 36.965,
163.511

■ 63, 42.892,
162.015

■ 65, 30.490,
164.842

■ 63, 48.173,
160.334

■ 66, 23.583,
166.036

■ 62, 52.749,
158.450

■ 67, 16.368,
167.115

■ 62, 56.621,
156.361

■ 68, 8.961, 168.109

■ 70, 1.463, 169.227

■ 62, 59.377,
154.621

■ 71, 6.043, 349.718

■ 73, 13.489,
350.521

■ 75, 20.826,
351.250

■ 77, 28.019,
351.931

Harmonies

Complementary

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



64, 36.965, 163.511



47, 40.621, 355.443

Rectangle

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



64, 36.965, 163.511



64, 36.965, 213.511



64, 36.965, 343.511



64, 36.965, 33.511

Sweetspot

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



64, 36.966, 163.510



86, 14.776, 167.687



65, 51.950, 129.556



45, 10.045, 167.489



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, 36.966, 163.510



80, 52.789, 161.834



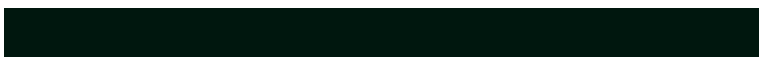
63, 25.464, 206.815



36, 4.289, 168.365



55, 53.708, 154.883



6, 9.710, 163.627

Inverse Universe

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



47, 40.621, 355.443



56, 58.602, 357.722



48, 37.828, 30.809



34, 4.368, 349.901



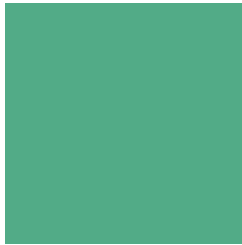
31, 57.089, 10.297



2, 8.700, 353.904

Previews

White Background



This preview shows how the CIE LCh color 64, 36.965, 163.511 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, 36.965, 163.511 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, 36.965, 163.511

Background



This preview shows how black text looks on a background with the CIELCh color 64, 36.965, 163.511.

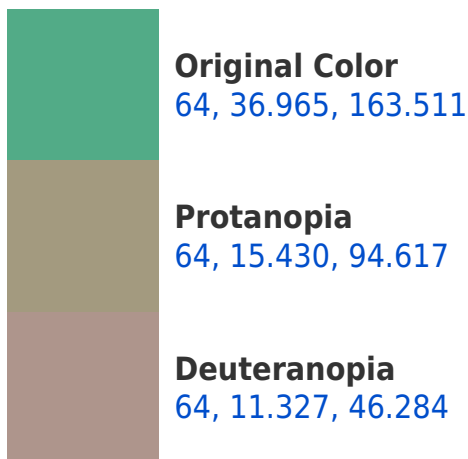


This preview shows how white text looks on a background with the CIELCh color 64, 36.965, 163.511.

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





Tritanopia
64, 23.058, 217.686

Trichromacy



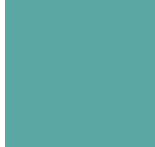
Original Color
64, 36.965, 163.511



Protanomaly
63, 19.635, 139.801



Deuteranomaly
63, 12.350, 139.488



Tritanomaly
64, 25.338, 192.156

Monochromacy



Original Color
64, 36.965, 163.511



Achromatopsia
59, 0.008, 296.813



Achromatomaly
60, 14.266, 167.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 36.965, 163.511 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(82, 171, 135)` looks like.

```
.text, #text, p{  
    color:rgb(82, 171, 135)  
}
```

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(82, 171, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 171, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 36.965, 163.511 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(82, 171, 135) }
```

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

```
.border{ border-color:rgb(82, 171, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 171, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 171, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 171, 135);  
box-shadow:4px 4px 4px 4px rgb(82, 171,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 36.965, 163.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 171, 135) }
```

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

```
.background{ background-color: rgb(82, 171,  
135) }
```

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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