

Converting Colors

CIELCh(65, 46.112, 157.133)

Have a look what the booklet for
CIELCh(65, 46.112, 157.133)
contains.

CIELCh(65, 45.958, 157.139)	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(65, 45.958, 157.139)

Conversions

Conversions Part 1

Format	Color
Hex	48B07C
RGB	72, 176, 124
RGB Percent	28%, 69%, 49%
CMY	0.7161, 0.3084, 0.5124
CMYK	0.59, 0.00, 0.30, 0.31
HSL	150°, 42%, 49%
HSV	150°, 59%, 69%
XYZ	21.9559, 34.0472, 24.5934
YIQ	138.9760, -45.2920, -38.2200

Conversions

Conversions Part 2

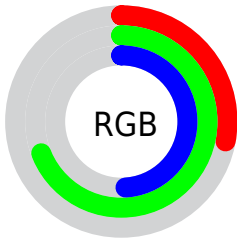
Format	Color
RYB	72, 141, 176
Decimal	4763772
CIELab	65.00, -42.35, 17.85
CIELCh	65, 45.958, 157.139
Yxy	34.0472, 0.2724, 0.4224
Android (android.graphics.Color)	4282953852 (0xFF48B07C)
YUV	138.9760, -7.3832, -58.7380
Hunter-Lab	58.3500, -34.9464, 15.8554

Details

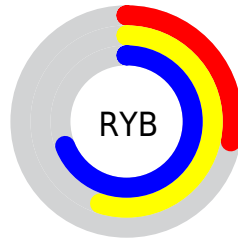
The CIELCh color **65, 45.958, 157.139** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **46, 48.549, 350.336**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 45.737, 157.399**, and **45, 44.714, 156.612** is the 20% darker color. If you saturate the color by 10%, you get **64, 52.304, 155.500**, and if you desaturate by 10%, it is **66, 38.983, 158.586**.

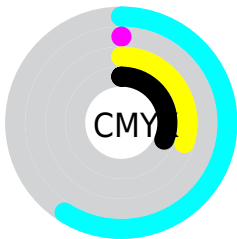
Distribution



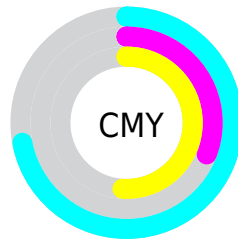
- Red (28%)
- Green (69%)
- Blue (49%)



- Red (28%)
- Yellow (55%)
- Blue (69%)



- Cyan (59%)
- Magenta (0%)
- Yellow (30%)
- Black (31%)





- Cyan (72%)
- Magenta (31%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 45.958, 157.139 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 65, 45.958, 157.139 by changing the saturation by 10% instead.


 65, 45.958,
157.139


 65, 45.958,
157.139


 100, 45.958,
157.139


 55, 45.958,
157.139


 85, 45.958,
157.139

 45, 45.958,
157.139

 95, 45.958,
157.139

 35, 45.958,
157.139

 25, 45.958,
157.139

 15, 45.958,
157.139

 5, 45.958, 157.139

 0, 45.958, 157.139

■ 65, 45.958,
157.139

■ 65, 45.958,
157.139

■ 64, 52.304,
155.500

■ 66, 38.983,
158.586

■ 64, 57.930,
153.656

■ 67, 31.501,
159.864

■ 64, 62.799,
151.606

■ 68, 23.649,
160.998

■ 63, 67.013,
149.426

■ 69, 15.561,
162.013

■ 63, 67.441,
149.209

■ 71, 7.356, 162.943

■ 72, 0.864, 343.282

■ 74, 9.018, 344.414

■ 76, 17.047,
345.117

■ 78, 24.907,
345.757

Harmonies

Complementary

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



65, 45.958, 157.139



46, 48.549, 350.336

Rectangle

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



65, 45.958, 157.139



65, 45.958, 207.139



65, 45.958, 337.139



65, 45.958, 27.139

Sweetspot

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



65, 45.959, 157.139



88, 18.309, 162.075



67, 57.996, 125.885



46, 12.698, 161.798



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 45.959, 157.139



82, 66.035, 154.919



66, 31.089, 195.114



37, 4.699, 162.909



55, 60.387, 149.490



7, 12.299, 158.282

Inverse Universe

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



46, 48.549, 350.336



55, 68.956, 352.994



45, 47.327, 25.885



35, 4.757, 344.351



32, 57.954, 1.278



2, 10.607, 349.840

Previews

White Background



This preview shows how the CIE LCh color 65, 45.958, 157.139 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 65, 45.958, 157.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

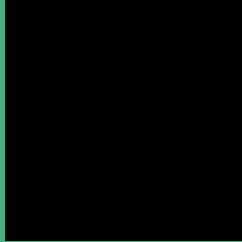
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 45.958, 157.139

Background



This preview shows how black text looks on a background with the CIELCh color 65, 45.958, 157.139.

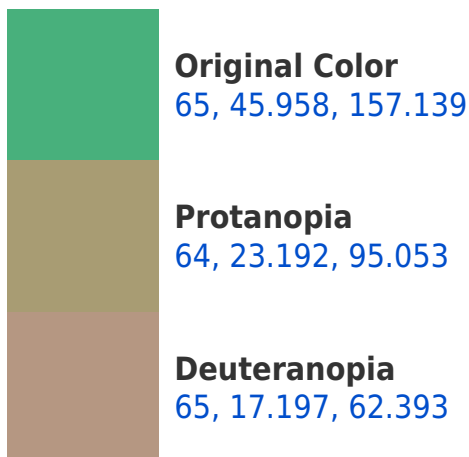


This preview shows how white text looks on a background with the CIELCh color 65, 45.958, 157.139.

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
65, 24.902, 215.959

Trichromacy



Original Color
65, 45.958, 157.139



Protanomaly
64, 27.624, 133.419



Deuteranomaly
64, 19.154, 130.359

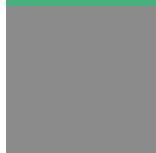


Tritanomaly
65, 29.062, 185.862

Monochromacy



Original Color
65, 45.958, 157.139



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 18.111, 161.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 45.958, 157.139 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(72, 176, 124)` looks like.

```
.text, #text, p{  
    color:rgb(72, 176, 124)  
}
```

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(72, 176, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 176, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 45.958, 157.139 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(72, 176, 124) }
```

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

```
.border{ border-color:rgb(72, 176, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 176, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 176, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 176, 124);  
box-shadow:4px 4px 4px 4px rgb(72, 176,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 45.958, 157.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 176, 124) }
```

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

```
.background{ background-color: rgb(72, 176,  
124) }
```

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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