

Converting Colors

CIELCh(57, 45.429, 163.908)

Have a look what the booklet for
CIELCh(57, 45.429, 163.908)
contains.

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Color

CIELCh(57, 45.492, 163.762)

Conversions

Conversions Part 1

Format	Color
Hex	189B71
RGB	24, 155, 113
RGB Percent	9%, 61%, 44%
CMY	0.9075, 0.3911, 0.5558
CMYK	0.85, 0.00, 0.27, 0.39
HSL	161°, 74%, 35%
HSV	161°, 85%, 61%
XYZ	15.1297, 24.9227, 19.7121
YIQ	111.0430, -64.5940, -40.8340

Conversions

Conversions Part 2

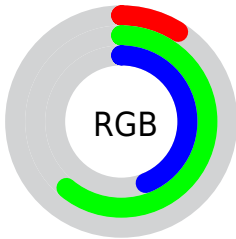
Format	Color
R_{YB}	24, 102, 155
Decimal	1612657
CIE _{Lab}	57.00, -43.68, 12.72
CIE _{LCh}	57, 45.492, 163.762
Yxy	24.9227, 0.2532, 0.4170
Android (android.graphics.Color)	4279802737 (0xFF189B71)
YUV	111.0430, 0.9648, -76.3367
Hunter-Lab	49.9226, -33.2678, 11.5350

Details

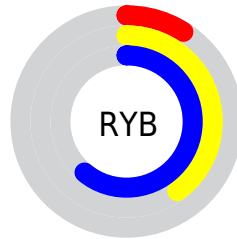
The CIELCh color **57, 45.492, 163.762** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **34, 54.796, 11.312**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 45.226, 163.948**, and **38, 38.586, 158.154** is the 20% darker color. If you saturate the color by 10%, you get **57, 48.325, 161.738**, and if you desaturate by 10%, it is **57, 42.032, 165.593**.

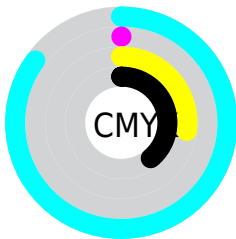
Distribution



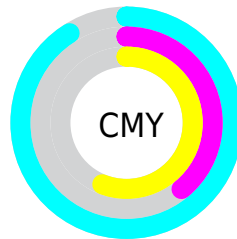
- Red (9%)
- Green (61%)
- Blue (44%)



- Red (9%)
- Yellow (40%)
- Blue (61%)



- Cyan (85%)
- Magenta (0%)
- Yellow (27%)
- Black (39%)





- Cyan (91%)
- Magenta (39%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 45.492, 163.762 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, 45.492, 163.762 by changing the saturation by 10% instead.


 57, 45.492,
163.762


 57, 45.492,
163.762


 100, 45.492,
163.762


 47, 45.492,
163.762


 77, 45.492,
163.762

 37, 45.492,
163.762

 87, 45.492,
163.762

 27, 45.492,
163.762

 97, 45.492,
163.762

 17, 45.492,
163.762

 7, 45.492, 163.762

 0, 45.492, 163.762

■ 57, 45.492,
163.762

■ 57, 45.492,
163.762

■ 57, 48.325,
161.738

■ 57, 42.032,
165.593

■ 57, 49.687,
160.695

■ 58, 37.916,
167.235

■ 58, 33.175,
168.705

■ 59, 27.881,
170.027

■ 60, 22.128,
171.224

■ 61, 16.022,
172.319

■ 62, 9.667, 173.336

■ 63, 3.158, 174.348

Harmonies

Complementary

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



57, 45.492, 163.762



34, 54.796, 11.312

Rectangle

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



57, 45.492, 163.762



57, 45.492, 213.762



57, 45.492, 343.762



57, 45.492, 33.762

Sweetspot

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



57, 45.492, 163.761



77, 19.941, 172.248



57, 72.992, 131.533



41, 13.648, 171.898



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 45.492, 163.761



72, 60.718, 160.231



51, 28.972, 223.624



32, 3.659, 173.888



51, 45.966, 160.908



3, 4.010, 173.890

Inverse Universe

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



34, 54.796, 11.312



43, 72.914, 19.737



36, 58.867, 40.978



30, 3.749, 355.439



29, 55.379, 17.982



1, 3.972, 355.011

Previews

White Background



This preview shows how the CIELCh color 57, 45.492, 163.762 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 CIE LCh color 57, 45.492, 163.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

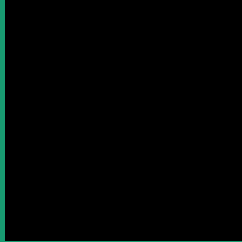
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 45.492, 163.762

Background



This preview shows how black text looks on a background with the CIELCh color 57, 45.492, 163.762.

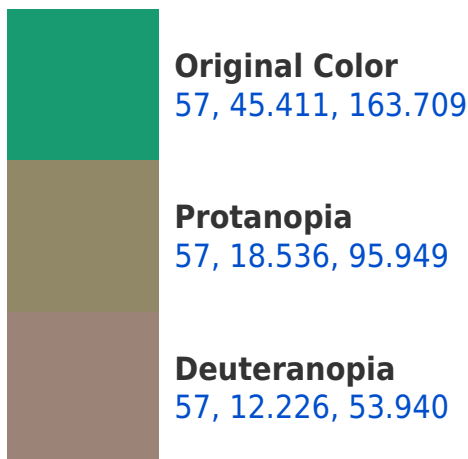


This preview shows how white text looks on a background with the CIELCh color 57, 45.492, 163.762.

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
57, 27.480, 211.701

Trichromacy



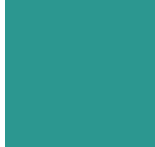
Original Color
57, 45.411, 163.709



Protanomaly
56, 26.536, 146.536



Deuteranomaly
55, 18.602, 152.656



Tritanomaly
57, 31.565, 189.190

Monochromacy



Original Color
57, 45.411, 163.709



Achromatopsia
47, 0.006, 296.813



Achromatomaly
50, 20.190, 171.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 45.492, 163.762 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(24, 155, 113)` looks like.

```
.text, #text, p{  
    color:rgb(24, 155, 113)  
}
```

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(24, 155, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 155, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 45.492, 163.762 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(24, 155, 113) }
```

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

```
.border{ border-color:rgb(24, 155, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 155, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 155, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 155, 113);  
box-shadow:4px 4px 4px 4px rgb(24, 155,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 45.492, 163.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 155, 113) }
```

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

```
.background{ background-color: rgb(24, 155,  
113) }
```

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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