

Converting Colors

CIELCh(64, 57.176, 153.789)

Have a look what the booklet for
CIELCh(64, 57.176, 153.789)
contains.

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Color

CIELCh(64, 57.344, 153.708)

Conversions

Conversions Part 1

Format	Color
Hex	28B16C
RGB	40, 177, 108
RGB Percent	16%, 69%, 42%
CMY	0.8419, 0.3076, 0.5780
CMYK	0.77, 0.00, 0.39, 0.31
HSL	150°, 63%, 43%
HSV	150°, 77%, 69%
XYZ	19.2079, 32.8017, 19.3947
YIQ	128.1710, -59.5030, -50.5030

Conversions

Conversions Part 2

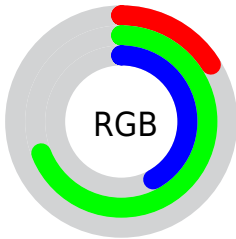
Format	Color
RYB	40, 132, 177
Decimal	2666860
CIELab	64.00, -51.41, 25.40
CIELCh	64, 57.344, 153.708
Yxy	32.8017, 0.2690, 0.4594
Android (android.graphics.Color)	4280856940 (0xFF28B16C)
YUV	128.1710, -9.9443, -77.3260
Hunter-Lab	57.2727, -40.3628, 20.0131




Details

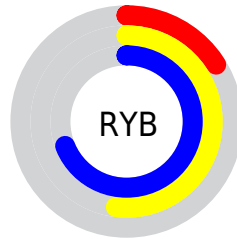
The CIELCh color **64, 57.344, 153.708** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **41, 59.118, 353.773**, and the grayscale version is **54, 0.007, 296.813**.




A 20% lighter version of the original color is **84, 57.648, 153.742**, and **45, 51.622, 149.413** is the 20% darker color. If you saturate the color by 10%, you get **64, 62.393, 151.694**, and if you desaturate by 10%, it is **65, 51.538, 155.514**.

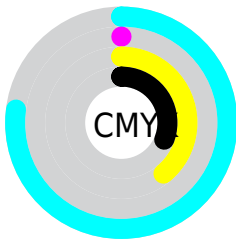
Distribution







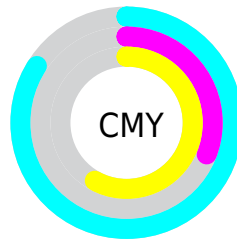
-  Red (16%)
-  Green (69%)
-  Blue (42%)






-  Red (16%)
-  Yellow (52%)
-  Blue (69%)



-  Cyan (77%)
-  Magenta (0%)
-  Yellow (39%)
-  Black (31%)




-  Cyan (84%)
-  Magenta (31%)
-  Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 57.344, 153.708 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, 57.344, 153.708 by changing the saturation by 10% instead.

 64, 57.344,
153.708


 64, 57.344,
153.708

 100, 57.344,
153.708

 54, 57.344,
153.708

 84, 57.344,
153.708

 44, 57.344,
153.708

 94, 57.344,
153.708

 34, 57.344,
153.708

 24, 57.344,
153.708

 14, 57.344,
153.708

 4, 57.344, 153.708

 0, 57.344, 153.708

■ 64, 57.344,
153.708

■ 64, 57.344,
153.708

■ 64, 62.393,
151.694

■ 65, 51.538,
155.514

■ 63, 66.729,
149.515

■ 65, 45.022,
157.116

■ 63, 67.901,
148.919

■ 66, 37.896,
158.531

■ 67, 30.288,
159.780

■ 68, 22.336,
160.888

■ 69, 14.171,
161.882

■ 71, 5.913, 162.801

■ 73, 2.342, 343.381

■ 74, 10.516,
344.232

Harmonies

Complementary

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



64, 57.344, 153.708



41, 59.118, 353.773

Rectangle

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



64, 57.344, 153.708



64, 57.344, 203.708



64, 57.344, 333.708



64, 57.344, 23.708

Sweetspot

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



64, 57.344, 153.708



87, 23.455, 161.274



66, 72.060, 125.796



46, 16.186, 160.912



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 57.344, 153.708



81, 79.893, 150.074



66, 35.956, 194.496



37, 4.718, 162.603



55, 60.744, 149.202



7, 12.345, 158.045

Inverse Universe

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



41, 59.118, 353.773



50, 77.521, 359.240



40, 63.278, 31.574



35, 4.776, 344.038



33, 58.017, 0.742



2, 10.642, 349.519

Previews

White Background



This preview shows how the CIELCh color 64, 57.344, 153.708 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, 57.344, 153.708 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, 57.344, 153.708

Background



This preview shows how black text looks on a background with the CIELCh color 64, 57.344, 153.708.



This preview shows how white text looks on a background with the CIELCh color 64, 57.344, 153.708.

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, 57.449, 153.787

Protanopia
64, 31.293, 96.340

Deuteranopia
63, 23.992, 69.293



Tritanopia
64, 28.293, 212.253

Trichromacy



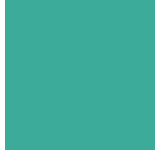
Original Color
64, 57.449, 153.787



Protanomaly
62, 37.427, 133.067



Deuteranomaly
62, 27.923, 131.478



Tritanomaly
64, 35.120, 180.686

Monochromacy



Original Color
64, 57.449, 153.787



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 23.869, 160.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 57.344, 153.708 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(40, 177, 108)` looks like.

```
.text, #text, p{  
    color:rgb(40, 177, 108)  
}
```

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(40, 177, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 177, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 57.344, 153.708 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(40, 177, 108) }
```

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

```
.border{ border-color:rgb(40, 177, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 177, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 177, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 177, 108);  
box-shadow:4px 4px 4px 4px rgb(40, 177,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 57.344, 153.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 177, 108) }
```

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

```
.background{ background-color: rgb(40, 177,  
108) }
```

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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