

Converting Colors

CIELCh(64, 46.803, 170.568)

Have a look what the booklet for
CIELCh(64, 46.803, 170.568)
contains.

CIELCh(64, 47.048, 170.336)	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(64, 47.048, 170.336)

Conversions

Conversions Part 1

Format	Color
Hex	05B08C
RGB	5, 176, 140
RGB Percent	2%, 69%, 55%
CMY	0.9795, 0.3114, 0.4525
CMYK	0.97, 0.00, 0.20, 0.31
HSL	167°, 94%, 35%
HSV	167°, 97%, 69%
XYZ	20.2130, 32.8017, 29.9248
YIQ	120.7670, -90.3600, -47.4480

Conversions

Conversions Part 2

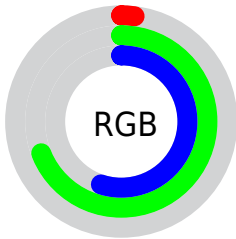
Format	Color
RYB	5, 101, 176
Decimal	372876
CIELab	64.00, -46.38, 7.90
CIELCh	64, 47.048, 170.336
Yxy	32.8017, 0.2437, 0.3955
Android (android.graphics.Color)	4278562956 (0xFF05B08C)
YUV	120.7670, 9.4819, -101.5277
Hunter-Lab	57.2727, -37.2301, 9.1121

Details

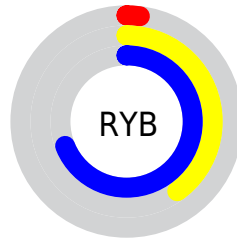
The CIELCh color **64, 47.048, 170.336** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **37, 68.149, 26.915**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 47.294, 170.467**, and **45, 38.565, 165.801** is the 20% darker color. If you saturate the color by 10%, you get **64, 47.623, 169.804**, and if you desaturate by 10%, it is **64, 44.969, 172.129**.

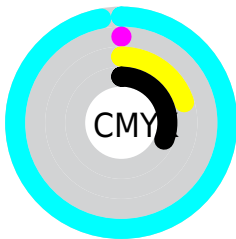
Distribution



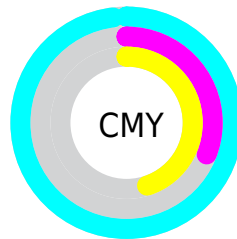
- Red (2%)
- Green (69%)
- Blue (55%)



- Red (2%)
- Yellow (40%)
- Blue (69%)



- Cyan (97%)
- Magenta (0%)
- Yellow (20%)
- Black (31%)





- Cyan (98%)
- Magenta (31%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 47.048, 170.336 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, 47.048, 170.336 by changing the saturation by 10% instead.

 64, 47.048,
170.336


 64, 47.048,
170.336


 100, 47.048,
170.336


 54, 47.048,
170.336


 84, 47.048,
170.336

 44, 47.048,
170.336

 94, 47.048,
170.336

 34, 47.048,
170.336

 24, 47.048,
170.336

 14, 47.048,
170.336

 4, 47.048, 170.336

 0, 47.048, 170.336

■ 64, 47.048,
170.336

■ 64, 47.048,
170.336

■ 64, 47.623,
169.804

■ 64, 44.969,
172.129

■ 65, 42.217,
173.762

■ 65, 38.710,
175.233

■ 66, 34.455,
176.563

■ 66, 29.508,
177.773

■ 67, 23.960,
178.887

■ 68, 17.919,
179.925

■ 69, 11.497,

180.907

■ 71, 4.803, 181.878

Harmonies

Complementary

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



64, 47.048, 170.336



37, 68.149, 26.915

Rectangle

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



64, 47.048, 170.336



64, 47.048, 220.336



64, 47.048, 350.336



64, 47.048, 40.336

Sweetspot

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



64, 47.048, 170.335



87, 23.783, 179.672



63, 87.672, 134.341



45, 16.139, 179.241



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, 47.048, 170.335



82, 58.457, 169.438



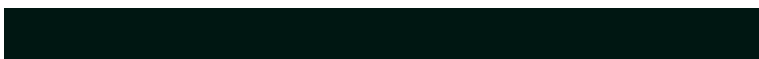
50, 35.486, 251.374



36, 3.827, 181.650



55, 42.363, 170.058



6, 8.490, 176.930

Inverse Universe

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



37, 68.149, 26.915



48, 85.804, 29.438



41, 69.981, 46.803



34, 3.963, 3.194



31, 61.745, 27.621



2, 8.068, 5.386

Previews

White Background



This preview shows how the CIELCh color 64, 47.048, 170.336 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, 47.048, 170.336 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, 47.048, 170.336

Background



This preview shows how black text looks on a background with the CIELCh color 64, 47.048, 170.336.

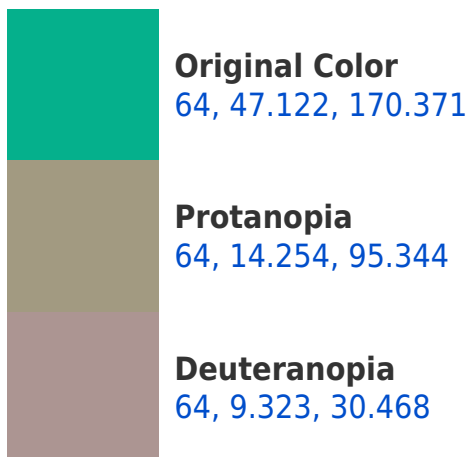


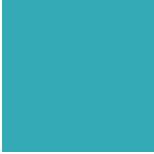
This preview shows how white text looks on a background with the CIELCh color 64, 47.048, 170.336.

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, 31.870, 210.263

Trichromacy



Original Color
64, 47.122, 170.371



Protanomaly
62, 26.852, 159.902



Deuteranomaly
62, 19.626, 172.185



Tritanomaly
64, 36.051, 191.964

Monochromacy



Original Color
64, 47.122, 170.371



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 23.341, 178.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 47.048, 170.336 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(5, 176, 140)` looks like.

```
.text, #text, p{  
    color:rgb(5, 176, 140)  
}
```

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(5, 176, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 176, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 47.048, 170.336 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(5, 176, 140) }
```

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

```
.border{ border-color:rgb(5, 176, 140) }
```

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

Here you see how a box with a 4 pixel rgb(5, 176, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 176, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 176, 140);  
box-shadow:4px 4px 4px 4px rgb(5, 176,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 47.048, 170.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 176, 140) }
```

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

```
.background{ background-color: rgb(5, 176,  
140) }
```

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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