

Converting Colors

CIELCh(63, 44.550, 19.680)

Have a look what the booklet for
CIELCh(63, 44.550, 19.680) contains.

CIELCh(63, 44.640, 19.777)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 44.640, 19.777)

Conversions

Conversions Part 1

Format	Color
Hex	E47980
RGB	228, 121, 128
RGB Percent	89%, 47%, 50%
CMY	0.1073, 0.5267, 0.4992
CMYK	0.00, 0.47, 0.44, 0.11
HSL	356°, 66%, 68%
HSV	356°, 47%, 89%
XYZ	42.5604, 31.5869, 24.1729
YIQ	153.7910, 61.5250, 24.8610

Conversions

Conversions Part 2

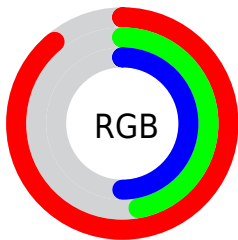
Format	Color
RYB	228, 121, 128
Decimal	14973312
CIELab	63.00, 42.01, 15.10
CIELCh	63, 44.640, 19.777
Yxy	31.5869, 0.4329, 0.3213
Android (android.graphics.Color)	4293163392 (0xFFE47980)
YUV	153.7910, -12.7150, 65.0813
Hunter-Lab	56.2022, 36.8190, 13.8406

Details

The CIELCh color **63, 44.640, 19.777** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **84, 33.139, 190.717**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 31.292, 16.403**, and **43, 44.619, 19.858** is the 20% darker color. If you saturate the color by 10%, you get **58, 55.219, 22.128**, and if you desaturate by 10%, it is **68, 34.218, 17.950**.

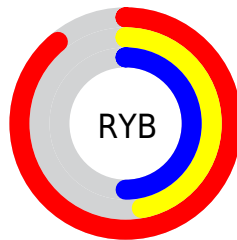
Distribution



Red (89%)

Green (47%)

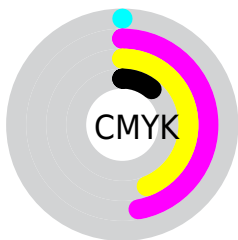
Blue (50%)



Red (89%)

Yellow (47%)

Blue (50%)

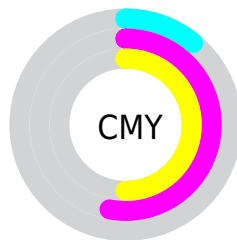


Cyan (0%)

Magenta (47%)

Yellow (44%)

Black (11%)



Cyan (11%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 44.640, 19.777 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 63, 44.640, 19.777 by changing the saturation by 10% instead.

63, 44.640, 19.777

63, 44.640, 19.777

100, 44.640,
19.777

53, 44.640, 19.777

83, 44.640, 19.777

43, 44.640, 19.777

93, 44.640, 19.777

33, 44.640, 19.777

23, 44.640, 19.777

13, 44.640, 19.777

3, 44.640, 19.777

0, 44.640, 19.777

63, 44.640, 19.777

63, 44.640, 19.777

58, 55.219, 22.128

68, 34.218, 17.950

■ 54, 65.635, 25.114

■ 74, 24.200, 16.516

■ 51, 75.515, 28.792

■ 80, 14.722, 15.371

■ 49, 84.435, 32.985

■ 86, 5.843, 14.404

■ 48, 91.626, 37.011

■ 92, 2.434, 194.014

■ 48, 93.353, 37.918

■ 98, 9.300, 198.889

Harmonies

Complementary

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



63, 44.640, 19.777



84, 33.139, 190.717

Rectangle

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



63, 44.640, 19.777



63, 44.640, 69.777



63, 44.640, 199.777



63, 44.640, 249.777

Sweetspot

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



63, 44.637, 19.780



90, 13.173, 15.080



65, 66.195, 324.912



47, 9.164, 15.297



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 44.637, 19.780



65, 59.438, 21.962



73, 36.763, 62.730



45, 4.827, 14.638



37, 77.259, 37.337



6, 26.904, 19.053

Inverse Universe

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



63, 44.637, 19.780



65, 59.438, 21.962



71, 30.163, 256.154



45, 4.827, 14.638



37, 77.259, 37.337



6, 26.904, 19.053

Previews

White Background



This preview shows how the CIELCh color 63, 44.640, 19.777 looks on a white background.

Color Contrast Check

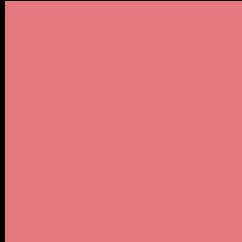
Large Text (above 18pt) WCAG AA × Fail

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 63, 44.640, 19.777 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 63, 44.640, 19.777

Background



This preview shows how black text looks on a background with the CIELCh color 63, 44.640, 19.777.



This preview shows how white text looks on a background with the CIELCh color 63, 44.640, 19.777.

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](#).

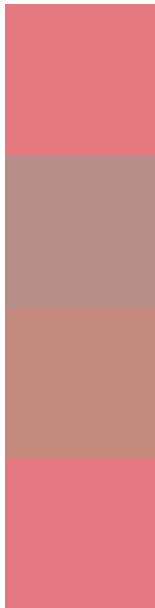
Dichromacy





Tritanopia
63, 44.947, 18.530

Trichromacy



Original Color
63, 44.640, 19.777

Protanomaly
62, 17.288, 26.574

Deuteranomaly
63, 26.086, 36.396

Tritanomaly
63, 44.947, 18.530

Monochromacy



Original Color
63, 44.640, 19.777

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 15.759, 14.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 44.640, 19.777 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(228, 121, 128)` looks like.

```
.text, #text, p{  
    color:rgb(228, 121, 128)  
}
```

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(228, 121, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 121, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 44.640, 19.777 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(228, 121, 128) }
```

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

```
.border{ border-color:rgb(228, 121, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 121, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 121, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 121, 128);  
box-shadow:4px 4px 4px 4px rgb(228, 121,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 44.640, 19.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 121, 128) }
```

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

```
.background{ background-color: rgb(228,  
121, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor