

Converting Colors

CIELCh(48, 2.501, 18.959)

Have a look what the booklet for
CIELCh(48, 2.501, 18.959) contains.

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Color

CIELCh(48, 2.457, 19.544)

Conversions

Conversions Part 1

Format	Color
Hex	777171
RGB	119, 113, 113
RGB Percent	47%, 44%, 44%
CMY	0.5350, 0.5585, 0.5585
CMYK	0.00, 0.05, 0.05, 0.53
HSL	0°, 3%, 45%
HSV	0°, 5%, 47%
XYZ	16.3680, 16.7945, 17.8807
YIQ	114.7940, 3.5760, 1.2720

Conversions

Conversions Part 2

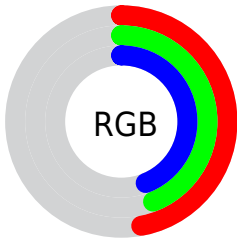
Format	Color
RYB	119, 113, 113
Decimal	7827825
CIELab	48.00, 2.32, 0.82
CIELCh	48, 2.457, 19.544
Yxy	16.7945, 0.3207, 0.3290
Android (android.graphics.Color)	4286017905 (0xFF777171)
YUV	114.7940, -0.8844, 3.6887
Hunter-Lab	40.9810, -0.4234, 2.8175

Details

The CIELCh color $48, 2.457, 19.544$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 2.383, 199.326$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 2.288, 19.399$, and $28, 2.715, 19.777$ is the 20% darker color. If you saturate the color by 10%, you get $44, 7.593, 20.356$, and if you desaturate by 10%, it is $52, 2.311, 199.354$.

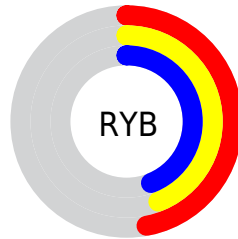
Distribution



Red (47%)

Green (44%)

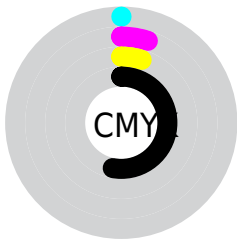
Blue (44%)



Red (47%)

Yellow (44%)

Blue (44%)

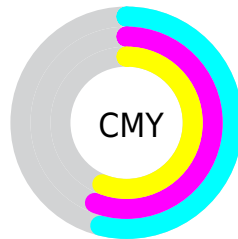


Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (53%)



Cyan (54%)

Magenta (56%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 2.457, 19.544 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 48, 2.457, 19.544 by changing the saturation by 10% instead.

 48, 2.457, 19.544	 48, 2.457, 19.544
 100, 2.457, 19.544	 38, 2.457, 19.544
 68, 2.457, 19.544	 28, 2.457, 19.544
 78, 2.457, 19.544	 18, 2.457, 19.544
 88, 2.457, 19.544	 8, 2.457, 19.544
 98, 2.457, 19.544	 0, 2.457, 19.544

 48, 2.457, 19.544	 48, 2.457, 19.544
 44, 7.593, 20.356	 52, 2.311, 199.354
 41, 13.114, 21.244	 55, 6.735, 198.820
 37, 19.013, 22.371	 59, 10.850,

34, 25.247, 23.823	198.456
31, 31.723, 25.694	63, 14.690, 198.168
29, 38.296, 28.076	67, 18.286, 197.934
26, 44.760, 31.010	71, 21.668, 197.742
25, 50.822, 34.370	74, 24.863, 197.582
24, 55.437, 36.822	78, 27.892, 197.448
	82, 30.777, 197.334

Harmonies

Complementary

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



48, 2.457, 19.544



49, 2.383, 199.326

Rectangle

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



48, 2.457, 19.544



48, 2.457, 69.544



48, 2.457, 199.544



48, 2.457, 249.544

Sweetspot

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



48, 2.456, 19.573



62, 1.184, 19.170



48, 4.304, 324.665



32, 0.669, 19.129



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 2.456, 19.573



60, 3.605, 19.667



49, 2.131, 74.720



23, 1.905, 19.681



24, 59.037, 37.995



52, 102.982, 40.003

Inverse Universe

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



49, 2.383, 199.326



63, 3.475, 199.242



49, 2.115, 256.138



24, 1.835, 199.230



46, 29.097, 196.438



89, 49.329, 196.440

Previews

White Background



This preview shows how the CIELCh color 48, 2.457, 19.544 looks on a white 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

Black Background



This preview shows how the CIE LCh color 48, 2.457, 19.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

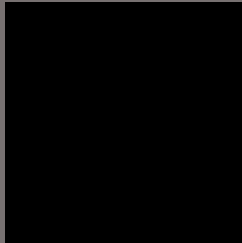
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

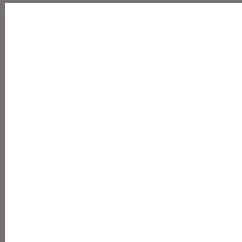
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 2.457, 19.544

Background



This preview shows how black text looks on a background with the CIELCh color 48, 2.457, 19.544.



This preview shows how white text looks on a background with the CIELCh color 48, 2.457, 19.544.

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

48, 2.457, 19.544

Protanopia

48, 1.223, 19.251

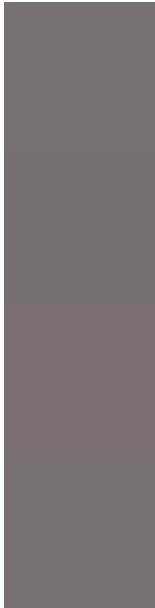
Deuteranopia

48, 6.442, 4.290



Tritanopia
48, 6.454, 324.806

Trichromacy



Original Color

48, 2.457, 19.544

Protanomaly

48, 1.633, 19.373

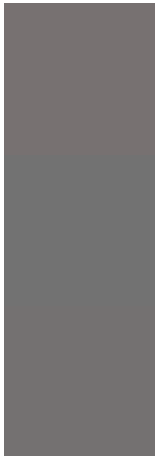
Deuteranomaly

48, 5.084, 6.607

Tritanomaly

48, 4.110, 334.034

Monochromacy



Original Color

48, 2.457, 19.544

Achromatopsia

48, 0.006, 296.813

Achromatomaly

48, 1.223, 19.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 2.457, 19.544 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(119, 113, 113)` looks like.

```
.text, #text, p{  
    color:rgb(119, 113, 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(119, 113, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 113, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 2.457, 19.544 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(119, 113, 113) }
```

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

```
.border{ border-color:rgb(119, 113, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 113, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 113, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 113, 113);  
box-shadow:4px 4px 4px 4px rgb(119, 113,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 2.457, 19.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 113, 113) }
```

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

```
.background{ background-color: rgb(119,  
113, 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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