

Converting Colors

CIELCh(50, 2.239, 1.480)

Have a look what the booklet for
CIELCh(50, 2.239, 1.480) contains.

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Color

CIELCh(50, 2.112, 3.432)

Conversions

Conversions Part 1

Format	Color
Hex	7B7677
RGB	123, 118, 119
RGB Percent	48%, 46%, 47%
CMY	0.5186, 0.5382, 0.5343
CMYK	0.00, 0.04, 0.03, 0.52
HSL	348°, 2%, 47%
HSV	348°, 4%, 48%
XYZ	17.8985, 18.4187, 19.9880
YIQ	119.6090, 2.6590, 1.3710

Conversions

Conversions Part 2

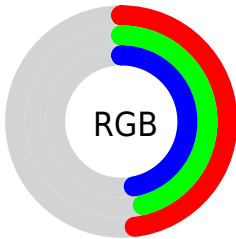
Format	Color
R_{YB}	123, 118, 119
Decimal	8091255
CIE _{Lab}	50.00, 2.11, 0.13
CIE _{LCh}	50, 2.112, 3.432
Yxy	18.4187, 0.3179, 0.3271
Android (android.graphics.Color)	4286281335 (0xFF7B7677)
YUV	119.6090, -0.3002, 2.9739
Hunter-Lab	42.9170, -0.6614, 2.4283

Details

The CIELCh color $50, 2.112, 3.432$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 2.075, 183.104$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 1.975, 3.270$, and $30, 1.889, 359.838$ is the 20% darker color. If you saturate the color by 10%, you get $46, 7.479, 4.530$, and if you desaturate by 10%, it is $54, 2.987, 182.925$.

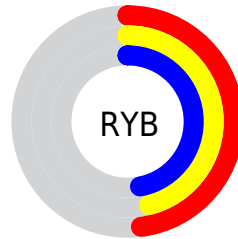
Distribution



Red (48%)

Green (46%)

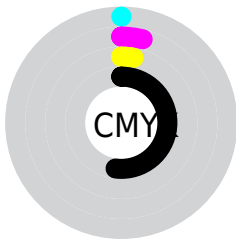
Blue (47%)



Red (48%)

Yellow (46%)

Blue (47%)

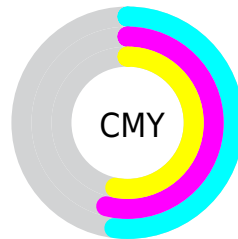


Cyan (0%)

Magenta (4%)

Yellow (3%)

Black (52%)



Cyan (52%)

Magenta (54%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 2.112, 3.432 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 50, 2.112, 3.432 by changing the saturation by 10% instead.

■ 50, 2.112, 3.432

■ 50, 2.112, 3.432

100, 2.112, 3.432

■ 40, 2.112, 3.432

■ 70, 2.112, 3.432

■ 30, 2.112, 3.432

■ 80, 2.112, 3.432

■ 20, 2.112, 3.432

■ 90, 2.112, 3.432

■ 10, 2.112, 3.432

■ 0, 2.112, 3.432

■ 50, 2.112, 3.432

■ 50, 2.112, 3.432

■ 46, 7.479, 4.530

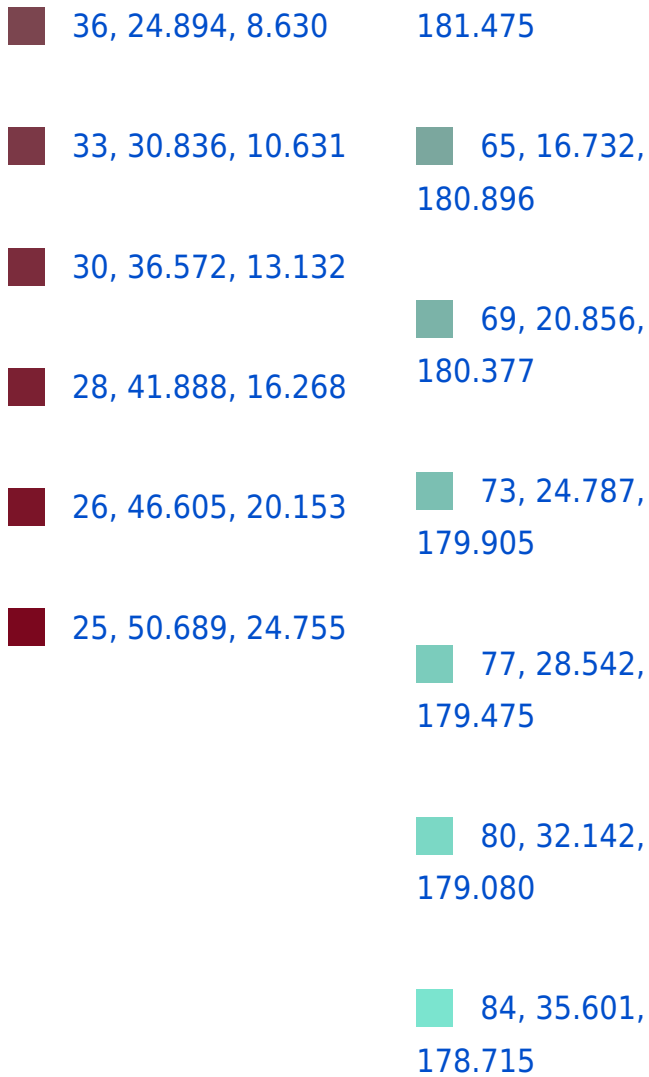
■ 54, 2.987, 182.925

■ 43, 13.103, 5.666

■ 58, 7.817, 182.131

■ 39, 18.937, 7.007

■ 61, 12.392,



Harmonies

Complementary

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



50, 2.112, 3.432



51, 2.075, 183.104

Rectangle

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



50, 2.112, 3.432



50, 2.112, 53.432



50, 2.112, 183.432



50, 2.112, 233.432

Sweetspot

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



50, 2.111, 3.458



66, 0.644, 2.691



50, 3.352, 318.939



34, 0.369, 2.632



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 2.111, 3.458



64, 3.239, 3.587



50, 1.656, 51.089



25, 1.754, 3.623



25, 53.888, 27.452



53, 93.189, 30.612

Inverse Universe

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



50, 2.111, 3.458



64, 3.239, 3.587



51, 1.628, 232.045



25, 1.754, 3.623



25, 53.888, 27.452



53, 93.189, 30.612

Previews

White Background



This preview shows how the CIELCh color 50, 2.112, 3.432 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 50, 2.112, 3.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

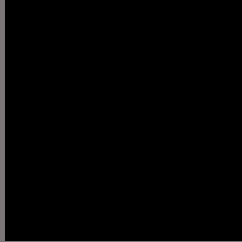
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

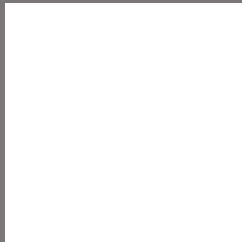
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 2.112, 3.432

Background



This preview shows how black text looks on a background with the CIELCh color 50, 2.112, 3.432.



This preview shows how white text looks on a background with the CIELCh color 50, 2.112, 3.432.

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


50, 2.112, 3.432

Protanopia

50, 1.352, 353.669

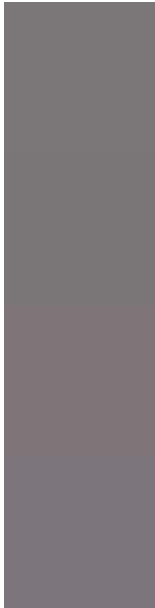
Deuteranopia

50, 6.560, 359.330



Tritanopia
50, 5.985, 318.415

Trichromacy



Original Color

50, 2.112, 3.432

Protanomaly

50, 1.725, 359.606

Deuteranomaly

50, 4.815, 358.593

Tritanomaly

50, 4.517, 328.885

Monochromacy



Original Color

50, 2.112, 3.432

Achromatopsia

50, 0.007, 296.813

Achromatomaly

50, 0.403, 18.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 2.112, 3.432 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(123, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(123, 118, 119)  
}
```

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(123, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 118, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 2.112, 3.432 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(123, 118, 119) }
```

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

```
.border{ border-color:rgb(123, 118, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 118, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 118, 119);  
box-shadow:4px 4px 4px 4px rgb(123, 118,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 2.112, 3.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 118, 119) }
```

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

```
.background{ background-color: rgb(123,  
118, 119) }
```

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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