

Converting Colors

CIELCh(48, 1.566, 146.433)

Have a look what the booklet for
CIELCh(48, 1.566, 146.433) contains.

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Color

CIELCh(48, 2.152, 144.384)

Conversions

Conversions Part 1

Format	Color
Hex	707370
RGB	112, 115, 112
RGB Percent	44%, 45%, 44%
CMY	0.5618, 0.5500, 0.5618
CMYK	0.03, 0.00, 0.03, 0.55
HSL	120°, 1%, 44%
HSV	120°, 3%, 45%
XYZ	15.6609, 16.7945, 17.6703
YIQ	113.7610, -0.8250, -1.5690

Conversions

Conversions Part 2

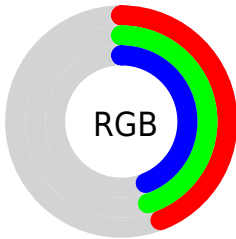
Format	Color
R_{YB}	112, 115, 115
Decimal	7369584
CIE Lab	48.00, -1.75, 1.25
CIE LCh	48, 2.152, 144.384
Yxy	16.7945, 0.3124, 0.3350
Android (android.graphics.Color)	4285559664 (0xFF707370)
YUV	113.7610, -0.8682, -1.5444
Hunter-Lab	40.9810, -3.5033, 3.1219

Details

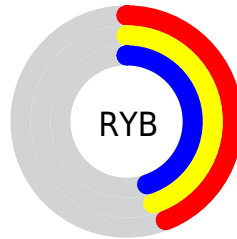
The CIELCh color $48, 2.152, 144.384$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 2.165, 324.500$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 2.008, 144.456$, and $28, 2.367, 144.270$ is the 20% darker color. If you saturate the color by 10%, you get $47, 10.478, 143.739$, and if you desaturate by 10%, it is $49, 6.045, 324.773$.

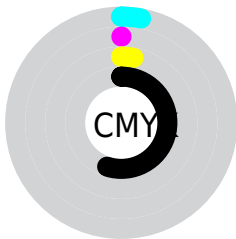
Distribution



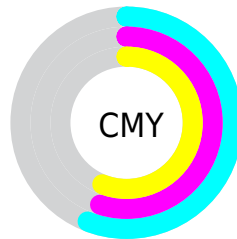
- Red (44%)
- Green (45%)
- Blue (44%)



- Red (44%)
- Yellow (45%)
- Blue (45%)



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (55%)



- Cyan (56%)
- Magenta (55%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 2.152, 144.384 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, 2.152, 144.384 by changing the saturation by 10% instead.

■ 48, 2.152, 144.384

■ 48, 2.152, 144.384

■ 100, 2.152,
144.384

■ 38, 2.152, 144.384

■ 68, 2.152, 144.384

■ 28, 2.152, 144.384

■ 78, 2.152, 144.384

■ 18, 2.152, 144.384

■ 88, 2.152, 144.384

■ 8, 2.152, 144.384

■ 98, 2.152, 144.384

■ 0, 2.152, 144.384

■ 48, 2.152, 144.384

■ 48, 2.152, 144.384

■ 47, 10.478,
143.739

■ 49, 6.045, 324.773

■ 46, 18.848,

■ 51, 14.061,
325.212

143.051

52, 21.859,
325.577

45, 27.147,
142.259

54, 29.419,
325.887

44, 35.228,
141.358

56, 36.732,
326.151

43, 42.898,
140.355

57, 43.800,
326.379

43, 49.923,
139.283

59, 50.626,
326.575

42, 56.026,
138.211

61, 57.221,
326.744

42, 60.901,
137.245

63, 63.597,
326.891

42, 64.291,
136.510

Harmonies

Complementary

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



48, 2.152, 144.384



47, 2.165, 324.500

Rectangle

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



48, 2.152, 144.384



48, 2.152, 194.384



48, 2.152, 324.384



48, 2.152, 14.384

Sweetspot

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



48, 2.153, 144.385



61, 1.008, 144.594



48, 1.757, 109.917



31, 0.569, 144.616



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



48, 2.153, 144.385



61, 3.044, 144.348



48, 1.506, 163.629



23, 1.821, 144.310



43, 68.533, 136.017



85, 117.045, 136.016

Inverse Universe

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



47, 2.165, 324.500



60, 3.057, 324.535



47, 1.519, 343.675



23, 1.828, 324.572



28, 66.122, 328.234



59, 112.927, 328.234

Previews

White Background



This preview shows how the CIELCh color 48, 2.152, 144.384 looks on a white background.

Color Contrast Check

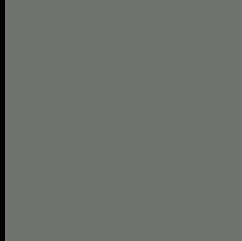
Large Text (above 18pt) WCAG AA ✓ Pass

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, 2.152, 144.384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

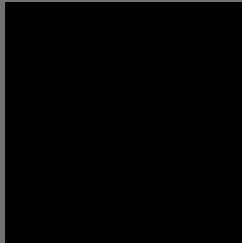
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

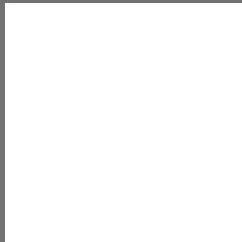
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 2.152, 144.384

Background



This preview shows how black text looks on a background with the CIELCh color 48, 2.152, 144.384.



This preview shows how white text looks on a background with the CIELCh color 48, 2.152, 144.384.

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, 2.152, 144.384

Protanopia

48, 1.691, 63.305

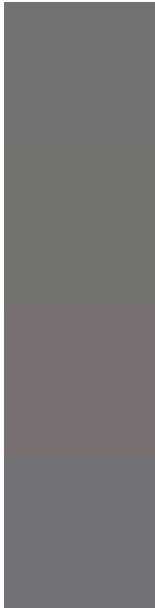
Deuteranopia

48, 6.442, 4.290



Tritanopia
48, 5.313, 290.897

Trichromacy



Original Color

48, 2.152, 144.384

Protanomaly

48, 1.759, 109.916

Deuteranomaly

48, 3.337, 9.561

Tritanomaly

48, 2.388, 280.909

Monochromacy



Original Color

48, 2.152, 144.384

Achromatopsia

48, 0.006, 296.813

Achromatomaly

48, 0.714, 144.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 2.152, 144.384 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(112, 115, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 115, 112)  
}
```

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(112, 115, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 115, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 2.152, 144.384 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(112, 115, 112) }
```

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

```
.border{ border-color:rgb(112, 115, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 115, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 115, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 115, 112);  
box-shadow:4px 4px 4px 4px rgb(112, 115,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 2.152, 144.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 115, 112) }
```

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

```
.background{ background-color: rgb(112,  
115, 112) }
```

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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