

Converting Colors

CIELCh(48, 10.557, 108.731)

Have a look what the booklet for
CIELCh(48, 10.557, 108.731)
contains.

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Color

CIELCh(48, 10.541, 108.742)

Conversions

Conversions Part 1

Format	Color
Hex	737361
RGB	115, 115, 97
RGB Percent	45%, 45%, 38%
CMY	0.5487, 0.5487, 0.6193
CMYK	0.00, 0.00, 0.16, 0.55
HSL	60°, 8%, 42%
HSV	60°, 16%, 45%
XYZ	15.3819, 16.7945, 13.7590
YIQ	112.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

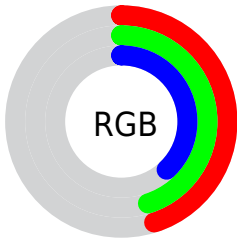
Format	Color
RYB	97, 115, 97
Decimal	7566177
CIELab	48.00, -3.39, 9.98
CIELCh	48, 10.541, 108.742
Yxy	16.7945, 0.3349, 0.3656
Android (android.graphics.Color)	4285756257 (0xFF737361)
YUV	112.9480, -7.8624, 1.7996
Hunter-Lab	40.9810, -4.7184, 8.7806

Details

The CIELCh color $48, 10.541, 108.742$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 10.906, 291.789$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 10.407, 109.098$, and $28, 10.260, 108.143$ is the 20% darker color. If you saturate the color by 10%, you get $48, 17.214, 107.828$, and if you desaturate by 10%, it is $48, 3.808, 109.659$.

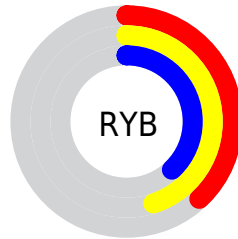
Distribution



Red (45%)

Green (45%)

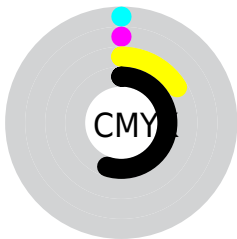
Blue (38%)



Red (38%)

Yellow (45%)

Blue (38%)

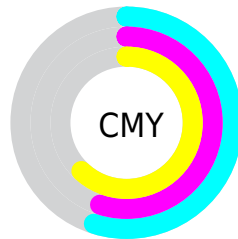


Cyan (0%)

Magenta (0%)

Yellow (16%)

Black (55%)



Cyan (55%)


Magenta (55%)

Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 10.541, 108.742 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, 10.541, 108.742 by changing the saturation by 10% instead.


 48, 10.541,
108.742


 48, 10.541,
108.742


 100, 10.541,
108.742


 38, 10.541,
108.742

 68, 10.541,
108.742


 28, 10.541,
108.742

 78, 10.541,
108.742

 18, 10.541,
108.742


 88, 10.541,
108.742

 8, 10.541, 108.742

 98, 10.541,
108.742

 0, 10.541, 108.742

 48, 10.541,

 48, 10.541,

108.742

■ 48, 17.214,
107.828

■ 48, 23.770,
106.917

■ 47, 30.126,
106.036

■ 47, 36.160,
105.206

■ 47, 41.687,
104.456

■ 47, 46.461,
103.819

■ 47, 50.191,
103.331

■ 47, 52.779,
102.998

108.742

■ 48, 3.808, 109.659

■ 49, 2.952, 290.589

■ 49, 9.714, 291.460

■ 49, 16.462,
292.310

■ 50, 23.183,
293.128

■ 50, 29.868,
293.908

■ 51, 36.509,
294.650

■ 51, 43.101,
295.352

■ 52, 49.638,

■ 47, 53.864,
102.860

296.014

Harmonies

Complementary

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



48, 10.541, 108.742



42, 10.906, 291.789

Rectangle

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



48, 10.541, 108.742



48, 10.541, 158.742



48, 10.541, 288.742



48, 10.541, 338.742

Sweetspot

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



48, 10.542, 108.748



62, 4.201, 109.705



43, 7.715, 20.372



32, 2.889, 109.655



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, 10.542, 108.748



62, 15.927, 108.393



47, 11.260, 128.407



25, 3.857, 109.352



50, 56.293, 102.860



95, 95.438, 102.860

Inverse Universe

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



42, 10.906, 291.789



52, 16.620, 292.247



43, 11.491, 309.744



22, 3.936, 291.068



12, 77.729, 306.288



32, 131.782, 306.287

Previews

White Background



This preview shows how the CIELCh color 48, 10.541, 108.742 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, 10.541, 108.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

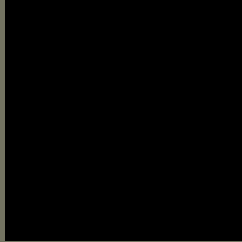
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 10.541, 108.742

Background



This preview shows how black text looks on a background with the CIELCh color 48, 10.541, 108.742.



This preview shows how white text looks on a background with the CIELCh color 48, 10.541, 108.742.

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, 10.541, 108.742

Protanopia

48, 10.860, 94.937

Deuteranopia

48, 11.255, 58.637



Tritanopia
48, 5.853, 314.942

Trichromacy



Original Color
48, 10.541, 108.742

Protanomaly
48, 10.687, 99.459

Deuteranomaly
48, 9.980, 74.785

Tritanomaly
48, 1.733, 39.183

Monochromacy



Original Color
48, 10.541, 108.742

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.111, 109.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 10.541, 108.742 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(115, 115, 97)` looks like.

```
.text, #text, p{  
    color:rgb(115, 115, 97)  
}
```

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(115, 115, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 115, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 10.541, 108.742 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(115, 115, 97) }
```

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

```
.border{ border-color:rgb(115, 115, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 115, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 115, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 115, 97);  
box-shadow:4px 4px 4px 4px rgb(115, 115,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 10.541, 108.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 115, 97) }
```

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

```
.background{ background-color: rgb(115,  
115, 97) }
```

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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