

Converting Colors

CIELCh(48, 25.618, 109.074)

Have a look what the booklet for
CIELCh(48, 25.618, 109.074)
contains.

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Color

CIELCh(48, 25.394, 108.770)

Conversions

Conversions Part 1

Format	Color
Hex	737549
RGB	115, 117, 73
RGB Percent	45%, 46%, 29%
CMY	0.5497, 0.5418, 0.7144
CMYK	0.02, 0.00, 0.38, 0.54
HSL	63°, 23%, 37%
HSV	63°, 38%, 46%
XYZ	14.5858, 16.7945, 8.7483
YIQ	111.3860, 12.9320, -14.1080

Conversions

Conversions Part 2

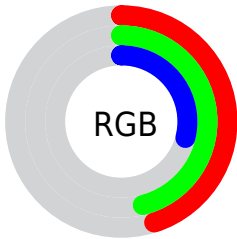
Format	Color
R_{YB}	73, 117, 75
Decimal	7566665
CIE _{Lab}	48.00, -8.17, 24.04
CIE _{LCh}	48, 25.394, 108.770
Yxy	16.7945, 0.3635, 0.4185
Android (android.graphics.Color)	4285756745 (0xFF737549)
YUV	111.3860, -18.9243, 3.1695
Hunter-Lab	40.9810, -8.1859, 16.0300

Details

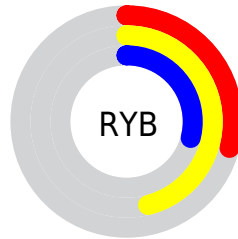
The CIELCh color $48, 25.394, 108.770$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $33, 27.784, 296.223$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 25.526, 108.461$, and $28, 25.347, 108.688$ is the 20% darker color. If you saturate the color by 10%, you get $48, 31.778, 107.965$, and if you desaturate by 10%, it is $48, 18.788, 109.615$.

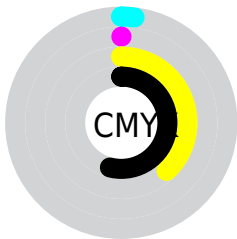
Distribution



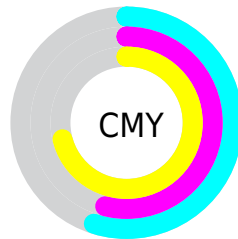
- Red (45%)
- Green (46%)
- Blue (29%)



- Red (29%)
- Yellow (46%)
- Blue (29%)



- Cyan (2%)
- Magenta (0%)
- Yellow (38%)
- Black (54%)





- Cyan (55%)
- Magenta (54%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 25.394, 108.770 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, 25.394, 108.770 by changing the saturation by 10% instead.


 48, 25.394,
108.770


 48, 25.394,
108.770


 100, 25.394,
108.770


 38, 25.394,
108.770

 68, 25.394,
108.770


 28, 25.394,
108.770

 78, 25.394,
108.770

 18, 25.394,
108.770

 88, 25.394,
108.770

 8, 25.394, 108.770

 98, 25.394,
108.770

 0, 25.394, 108.770

 48, 25.394,

 48, 25.394,

108.770

108.770

■ 48, 31.778,
107.965

■ 48, 18.788,
109.615

■ 48, 37.801,
107.220

■ 49, 12.047,
110.471

■ 47, 43.266,
106.573

■ 49, 5.233, 111.322

■ 47, 47.911,
106.066

■ 49, 1.615, 292.189

■ 50, 8.469, 292.991

■ 47, 51.440,
105.747

■ 50, 15.310,
293.779

■ 47, 53.939,
105.596

■ 51, 22.124,
294.534

■ 47, 54.530,
105.558

■ 51, 28.901,
295.254

■ 52, 35.632,

Harmonies

Complementary

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



48, 25.394, 108.770



33, 27.784, 296.223

Rectangle

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



48, 25.394, 108.770



48, 25.394, 158.770



48, 25.394, 288.770



48, 25.394, 338.770

Sweetspot

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



48, 25.395, 108.773



63, 9.377, 111.015



36, 19.758, 25.067



32, 6.262, 110.928



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, 25.395, 108.773



62, 37.501, 108.082



46, 27.545, 128.566



25, 3.860, 111.205



49, 56.380, 105.571



95, 95.601, 105.720

Inverse Universe

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



33, 27.784, 296.223



39, 42.122, 297.545



35, 28.867, 311.927



22, 3.940, 292.789



12, 77.452, 306.507



32, 131.582, 306.380

Previews

White Background



This preview shows how the CIELCh color 48, 25.394, 108.770 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 CIELCh color 48, 25.394, 108.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

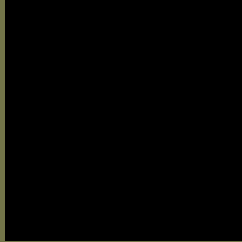
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

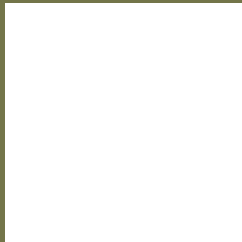
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 25.394, 108.770

Background



This preview shows how black text looks on a background with the CIELCh color 48, 25.394, 108.770.



This preview shows how white text looks on a background with the CIELCh color 48, 25.394, 108.770.

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

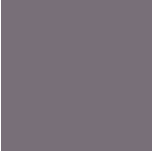
48, 25.394, 108.770

Protanopia

48, 24.814, 96.150

Deuteranopia

48, 24.025, 74.738



Tritanopia
48, 6.454, 324.806

Trichromacy



Original Color
48, 25.394, 108.770

Protanomaly
48, 25.043, 100.468

Deuteranomaly
48, 23.586, 87.719

Tritanomaly
48, 6.235, 89.591

Monochromacy



Original Color
48, 25.394, 108.770

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 9.416, 111.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 25.394, 108.770 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, 117, 73)` looks like.

```
.text, #text, p{  
    color:rgb(115, 117, 73)  
}
```

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, 117, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 117, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 25.394, 108.770 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, 117, 73) }
```

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

```
.border{ border-color:rgb(115, 117, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 117, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 117, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 117, 73);  
box-shadow:4px 4px 4px 4px rgb(115, 117,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 25.394, 108.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 117, 73) }
```

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

```
.background{ background-color: rgb(115,  
117, 73) }
```

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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