

Converting Colors

CIELCh(48, 25.653, 105.328)

Have a look what the booklet for
CIELCh(48, 25.653, 105.328)
contains.

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Color

CIELCh(48, 25.412, 105.679)

Conversions

Conversions Part 1

Format	Color
Hex	757448
RGB	117, 116, 72
RGB Percent	46%, 45%, 28%
CMY	0.5405, 0.5444, 0.7170
CMYK	0.00, 0.01, 0.38, 0.54
HSL	59°, 24%, 37%
HSV	59°, 38%, 46%
XYZ	14.7999, 16.7945, 8.6203
YIQ	111.2830, 14.7200, -13.4720

Conversions

Conversions Part 2

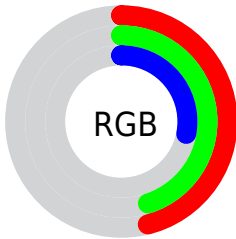
Format	Color
RYB	73, 117, 72
Decimal	7697480
CIELab	48.00, -6.87, 24.47
CIElCh	48, 25.412, 105.679
Yxy	16.7945, 0.3680, 0.4176
Android (android.graphics.Color)	4285887560 (0xFF757448)
YUV	111.2830, -19.3665, 5.0138
Hunter-Lab	40.9810, -7.2533, 16.2152

Details

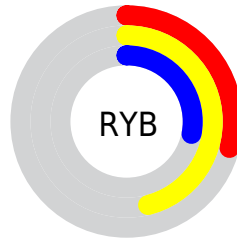
The CIELCh color $48, 25.412, 105.679$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $33, 27.768, 294.118$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 25.557, 105.653$, and $28, 25.329, 105.165$ is the 20% darker color. If you saturate the color by 10%, you get $48, 31.684, 104.779$, and if you desaturate by 10%, it is $48, 18.926, 106.614$.

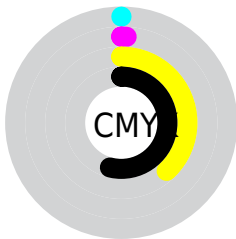
Distribution



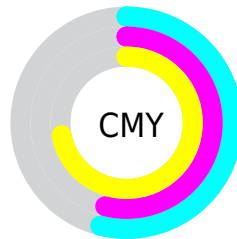
- Red (46%)
- Green (45%)
- Blue (28%)



- Red (29%)
- Yellow (46%)
- Blue (28%)



- Cyan (0%)
- Magenta (1%)
- Yellow (38%)
- Black (54%)





- Cyan (54%)
- Magenta (54%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 25.412, 105.679 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, 25.412, 105.679 by changing the saturation by 10% instead.


 48, 25.412,
105.679


 48, 25.412,
105.679


 100, 25.412,
105.679


 38, 25.412,
105.679


 68, 25.412,
105.679


 28, 25.412,
105.679

 78, 25.412,
105.679

 18, 25.412,
105.679

 88, 25.412,
105.679

 8, 25.412, 105.679

 98, 25.412,
105.679

 0, 25.412, 105.679

 48, 25.412,

 48, 25.412,

105.679

105.679

■ 48, 31.684,
104.779

■ 48, 18.926,
106.614

■ 48, 37.600,
103.927

■ 49, 12.313,
107.557

■ 47, 42.958,
103.154

■ 49, 5.635, 108.493

■ 47, 47.487,
102.491

■ 49, 1.071, 289.474

■ 50, 7.778, 290.338

■ 47, 50.880,
101.968

■ 50, 14.471,
291.210

■ 47, 53.308,
101.561

■ 51, 21.136,
292.049

■ 47, 53.703,
101.496

■ 51, 27.766,
292.852

■ 52, 34.352,

293.615

Harmonies

Complementary

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



48, 25.412, 105.679



33, 27.768, 294.118

Rectangle

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



48, 25.412, 105.679



48, 25.412, 155.679



48, 25.412, 285.679



48, 25.412, 335.679

Sweetspot

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



48, 25.413, 105.682



63, 9.996, 108.130



36, 20.730, 20.295



32, 6.590, 108.043



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, 25.413, 105.682



61, 37.515, 104.888



47, 27.673, 126.149



24, 3.772, 108.435



49, 55.404, 101.490



94, 93.849, 101.413

Inverse Universe

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



33, 27.768, 294.118



39, 42.109, 295.663



35, 29.278, 309.804



22, 3.847, 290.183



12, 76.505, 305.851



32, 130.903, 306.104

Previews

White Background



This preview shows how the CIELCh color 48, 25.412, 105.679 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, 25.412, 105.679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

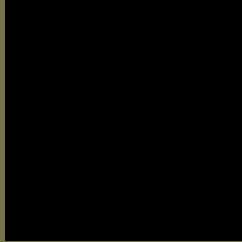
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 25.412, 105.679

Background



This preview shows how black text looks on a background with the CIELCh color 48, 25.412, 105.679.



This preview shows how white text looks on a background with the CIELCh color 48, 25.412, 105.679.

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, 25.412, 105.679

Protanopia

48, 25.368, 96.286

Deuteranopia

48, 24.528, 75.331



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 25.412, 105.679

Protanomaly
48, 25.658, 99.493

Deuteranomaly
48, 24.297, 87.022

Tritanomaly
48, 7.013, 76.307

Monochromacy



Original Color
48, 25.412, 105.679

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 9.402, 108.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 25.412, 105.679 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(117, 116, 72)` looks like.

```
.text, #text, p{  
    color:rgb(117, 116, 72)  
}
```

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(117, 116, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 116, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 25.412, 105.679 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(117, 116, 72) }
```

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

```
.border{ border-color:rgb(117, 116, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 116, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 116, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 116, 72);  
box-shadow:4px 4px 4px 4px rgb(117, 116,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 25.412, 105.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 116, 72) }
```

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

```
.background{ background-color: rgb(117,  
116, 72) }
```

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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