

Converting Colors

CIELCh(49, 25.739, 108.224)

Have a look what the booklet for
CIELCh(49, 25.739, 108.224)
contains.

CIELCh(49, 25.317, 107.800)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 25.317, 107.800)

Conversions

Conversions Part 1

Format	Color
Hex	76774B
RGB	118, 119, 75
RGB Percent	46%, 47%, 29%
CMY	0.5367, 0.5328, 0.7054
CMYK	0.01, 0.00, 0.37, 0.53
HSL	61°, 23%, 38%
HSV	61°, 37%, 47%
XYZ	15.3748, 17.5941, 9.2637
YIQ	113.6850, 13.5280, -13.8960

Conversions

Conversions Part 2

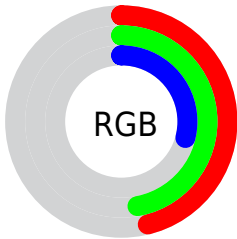
Format	Color
RYB	75, 119, 76
Decimal	7763787
CIELab	49.00, -7.74, 24.11
CIELCh	49, 25.317, 107.800
Yxy	17.5941, 0.3641, 0.4166
Android (android.graphics.Color)	4285953867 (0xFF76774B)
YUV	113.6850, -19.0717, 3.7843
Hunter-Lab	41.9453, -7.9763, 16.2674

Details

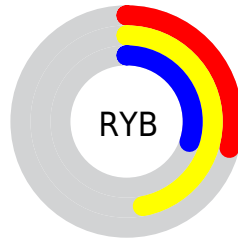
The CIELCh color $49, 25.317, 107.800$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 27.657, 295.421$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 25.470, 107.561$, and $29, 25.259, 107.632$ is the 20% darker color. If you saturate the color by 10%, you get $49, 31.819, 106.958$, and if you desaturate by 10%, it is $49, 18.596, 108.681$.

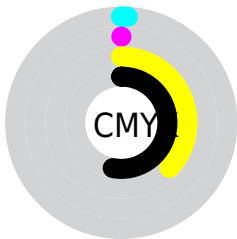
Distribution



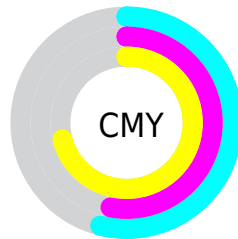
- Red (46%)
- Green (47%)
- Blue (29%)



- Red (29%)
- Yellow (47%)
- Blue (30%)



- Cyan (1%)
- Magenta (0%)
- Yellow (37%)
- Black (53%)




- Cyan (54%)
- Magenta (53%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 25.317, 107.800 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 49, 25.317, 107.800 by changing the saturation by 10% instead.

 49, 25.317,
107.800


 49, 25.317,
107.800


 100, 25.317,
107.800


 39, 25.317,
107.800


 69, 25.317,
107.800


 29, 25.317,
107.800


 79, 25.317,
107.800

 19, 25.317,
107.800

 89, 25.317,
107.800

 9, 25.317, 107.800

 99, 25.317,
107.800

 0, 25.317, 107.800

 49, 25.317,

 49, 25.317,

107.800

107.800

■ 49, 31.819,
106.958

■ 49, 18.596,
108.681

■ 49, 37.962,
106.170

■ 50, 11.744,
109.572

■ 48, 43.550,
105.474

■ 50, 4.820, 110.456

■ 48, 48.317,
104.907

■ 50, 2.135, 291.357

■ 51, 9.095, 292.196

■ 48, 51.961,
104.510

■ 51, 16.042,
293.018

■ 48, 54.478,
104.278

■ 52, 22.961,
293.807

■ 48, 55.235,
104.208

■ 52, 29.843,
294.560

■ 53, 36.680,

Harmonies

Complementary

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



49, 25.317, 107.800



34, 27.657, 295.421

Rectangle

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



49, 25.317, 107.800



49, 25.317, 157.800



49, 25.317, 287.800



49, 25.317, 337.800

Sweetspot

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



49, 25.318, 107.803



64, 9.499, 110.075



37, 19.947, 23.775



33, 6.431, 109.981



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 25.318, 107.803



63, 37.192, 107.109



47, 27.348, 128.011



25, 3.858, 110.274



49, 56.318, 104.212



95, 95.485, 104.287

Inverse Universe

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



34, 27.657, 295.421



40, 41.665, 296.744



36, 28.695, 311.355



22, 3.938, 291.924



12, 77.590, 306.397



32, 131.683, 306.333

Previews

White Background



This preview shows how the CIELCh color 49, 25.317, 107.800 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 49, 25.317, 107.800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

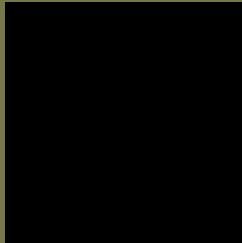
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

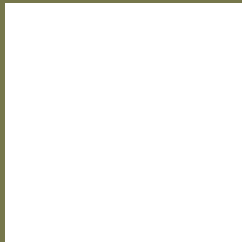
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 25.317, 107.800

Background



This preview shows how black text looks on a background with the CIELCh color 49, 25.317, 107.800.



This preview shows how white text looks on a background with the CIELCh color 49, 25.317, 107.800.

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

49, 25.317, 107.800

Protanopia

49, 24.842, 95.178

Deuteranopia

49, 24.209, 73.914



Tritanopia
49, 6.919, 330.389

Trichromacy



Original Color
49, 25.317, 107.800

Protanomaly
49, 25.036, 99.490

Deuteranomaly
49, 23.682, 86.749

Tritanomaly
49, 6.550, 82.606

Monochromacy



Original Color
49, 25.317, 107.800

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 9.359, 108.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 25.317, 107.800 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(118, 119, 75)` looks like.

```
.text, #text, p{  
    color:rgb(118, 119, 75)  
}
```

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(118, 119, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 119, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 25.317, 107.800 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(118, 119, 75) }
```

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

```
.border{ border-color:rgb(118, 119, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 119, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 119, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 119, 75);  
box-shadow:4px 4px 4px 4px rgb(118, 119,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 25.317, 107.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 119, 75) }
```

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

```
.background{ background-color: rgb(118,  
119, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor