

Converting Colors

CIELCh(16, 77.600, 352.392)

Have a look what the booklet for
CIELCh(16, 77.600, 352.392)
contains.

CIELCh(25, 49.018, 3.347)	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(25, 49.018, 3.347)

Conversions

Conversions Part 1

Format	Color
Hex	7A0039
RGB	122, 0, 57
RGB Percent	48%, 0%, 22%
CMY	0.5222, 1.0000, 0.7769
CMYK	0.00, 1.00, 0.53, 0.52
HSL	332°, 100%, 24%
HSV	332°, 100%, 48%
XYZ	8.7374, 4.4155, 4.2471
YIQ	42.9760, 54.4150, 43.5910

Conversions

Conversions Part 2

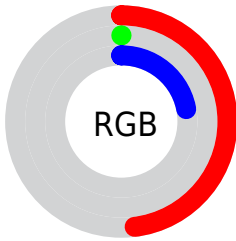
Format	Color
RYB	122, 0, 57
Decimal	7995449
CIELab	25.00, 48.93, 2.86
CIElCh	25, 49.018, 3.347
Yxy	4.4155, 0.5022, 0.2538
Android (android.graphics.Color)	4286185529 (0xFF7A0039)
YUV	42.9760, 6.9138, 69.3040
Hunter-Lab	21.0130, 37.4493, 2.7255

Details

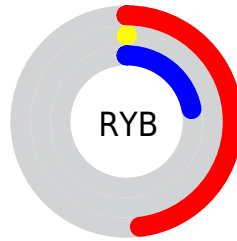
The CIELCh color **25, 49.018, 3.347** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **45, 48.903, 151.778**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 48.820, 3.186**, and **11, 33.181, 19.358** is the 20% darker color. If you saturate the color by 10%, you get **25, 48.972, 3.377**, and if you desaturate by 10%, it is **26, 47.116, 359.887**.

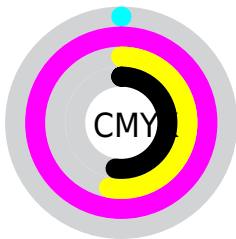
Distribution



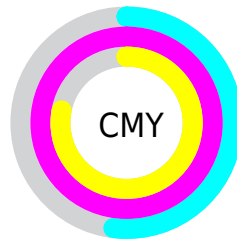
- Red (48%)
- Green (0%)
- Blue (22%)



- Red (48%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (52%)



- Cyan (52%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 49.018, 3.347 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 25, 49.018, 3.347 by changing the saturation by 10% instead.

 25, 49.018, 3.347  25, 49.018, 3.347

 100, 49.018, 3.347  15, 49.018, 3.347

 45, 49.018, 3.347  5, 49.018, 3.347


 55, 49.018, 3.347  0, 49.018, 3.347

 65, 49.018, 3.347

 75, 49.018, 3.347

 85, 49.018, 3.347

 95, 49.018, 3.347

 25, 49.018, 3.347  25, 49.018, 3.347

 25, 48.972, 3.377  26, 47.116,

359.887

■ 27, 44.572,
356.810

■ 29, 40.814,
354.359

■ 32, 36.040,
352.385

■ 34, 30.531,
350.762

■ 37, 24.571,
349.398

■ 41, 18.393,
348.224

■ 44, 12.169,
347.191

■ 48, 6.016, 346.254

Harmonies

Complementary

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



25, 49.018, 3.347



45, 48.903, 151.778

Rectangle

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



25, 49.018, 3.347



25, 49.018, 53.347



25, 49.018, 183.347



25, 49.018, 233.347

Sweetspot

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



25, 48.972, 3.377



52, 22.770, 348.304



18, 71.727, 312.690



25, 15.469, 348.685



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



25, 48.972, 3.377



34, 59.105, 4.575



24, 58.579, 38.302



24, 3.397, 346.169



26, 49.858, 3.504



54, 83.785, 6.175

Inverse Universe

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



25, 48.972, 3.377



34, 59.105, 4.575



45, 28.363, 198.918



24, 3.397, 346.169



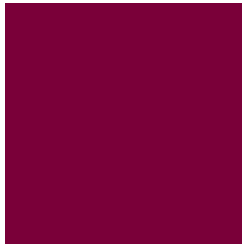
26, 49.858, 3.504



54, 83.785, 6.175

Previews

White Background



This preview shows how the CIELCh color 25, 49.018, 3.347 looks on a white background.

Color Contrast Check

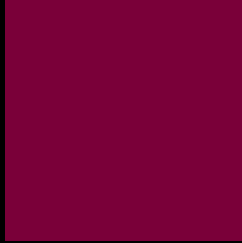
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 25, 49.018, 3.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25, 49.018, 3.347

Background



This preview shows how black text looks on a background with the CIELCh color 25, 49.018, 3.347.



This preview shows how white text looks on a background with the CIELCh color 25, 49.018, 3.347.

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
25, 49.018, 3.347

Protanopia
27, 13.111, 285.911

Deuteranopia
27, 8.298, 64.488



Tritanopia
26, 49.115, 33.556

Trichromacy



Original Color
25, 49.018, 3.347

Protanomaly
23, 27.930, 333.281

Deuteranomaly
23, 25.684, 4.144

Tritanomaly
25, 47.790, 22.527

Monochromacy



Original Color
25, 49.018, 3.347

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 24.393, 352.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 49.018, 3.347 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(122, 0, 57)` looks like.

```
.text, #text, p{  
    color:rgb(122, 0, 57)  
}
```

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(122, 0, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 49.018, 3.347 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(122, 0, 57) }
```

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

```
.border{ border-color:rgb(122, 0, 57) }
```

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

Here you see how a box with a 4 pixel rgb(122, 0, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 0, 57);  
box-shadow:4px 4px 4px 4px rgb(122, 0, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 49.018, 3.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 57) }
```

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

```
.background{ background-color: rgb(122, 0,  
57) }
```

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