

Converting Colors

CIELCh(25, 50.472, 19.266)

Have a look what the booklet for
CIELCh(25, 50.472, 19.266) contains.

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Color

CIELCh(25, 50.238, 19.176)

Conversions

Conversions Part 1

Format	Color
Hex	7B0225
RGB	123, 2, 37
RGB Percent	48%, 1%, 15%
CMY	0.5167, 0.9906, 0.8542
CMYK	0.00, 0.98, 0.70, 0.52
HSL	343°, 96%, 25%
HSV	343°, 98%, 48%
XYZ	8.5662, 4.4155, 2.1656
YIQ	42.1690, 60.8810, 36.5370

Conversions

Conversions Part 2

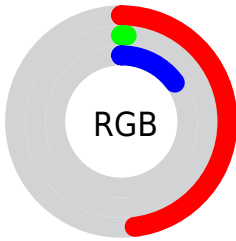
Format	Color
RYB	123, 2, 37
Decimal	8061477
CIELab	25.00, 47.45, 16.50
CIElCh	25, 50.238, 19.176
Yxy	4.4155, 0.5655, 0.2915
Android (android.graphics.Color)	4286251557 (0xFF7B0225)
YUV	42.1690, -2.5483, 70.8888
Hunter-Lab	21.0130, 35.9946, 8.5987

Details

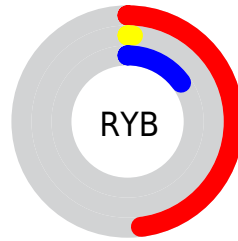
The CIELCh color **25, 50.238, 19.176** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **46, 39.681, 163.994**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 50.077, 19.324**, and **11, 34.861, 28.375** is the 20% darker color. If you saturate the color by 10%, you get **25, 50.903, 20.016**, and if you desaturate by 10%, it is **26, 47.049, 14.604**.

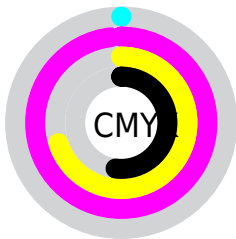
Distribution



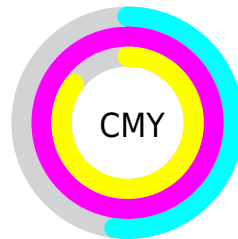
- Red (48%)
- Green (1%)
- Blue (15%)



- Red (48%)
- Yellow (1%)
- Blue (15%)



- Cyan (0%)
- Magenta (98%)
- Yellow (70%)
- Black (52%)



- Cyan (52%)
- Magenta (99%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 50.238, 19.176 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, 50.238, 19.176 by changing the saturation by 10% instead.

 25, 50.238, 19.176

 25, 50.238, 19.176

 100, 50.238,
19.176

 15, 50.238, 19.176

 45, 50.238, 19.176

 5, 50.238, 19.176

 55, 50.238, 19.176

 0, 50.238, 19.176

 65, 50.238, 19.176

 75, 50.238, 19.176

 85, 50.238, 19.176

 95, 50.238, 19.176

 25, 50.238, 19.176

 25, 50.238, 19.176

■ 25, 50.903, 20.016

■ 26, 47.049, 14.604

■ 28, 43.298, 10.603

■ 30, 38.709, 7.393

■ 32, 33.443, 4.836

■ 35, 27.736, 2.782

■ 38, 21.820, 1.105

■ 42, 15.882,
359.709

■ 45, 10.048,
358.519

■ 49, 4.396, 357.460

Harmonies

Complementary

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



25, 50.238, 19.176



46, 39.681, 163.994

Rectangle

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



25, 50.238, 19.176



25, 50.238, 69.176



25, 50.238, 199.176



25, 50.238, 249.176

Sweetspot

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



25, 50.236, 19.178



53, 20.440, 359.923



22, 69.077, 317.744



26, 14.204, 0.406



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



25, 50.236, 19.178



33, 62.213, 21.537



27, 55.227, 43.173



24, 3.062, 357.565



25, 51.430, 20.104



53, 88.180, 23.413

Inverse Universe

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



25, 50.236, 19.178



33, 62.213, 21.537



39, 25.406, 233.482



24, 3.062, 357.565



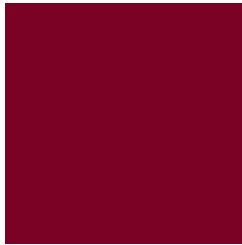
25, 51.430, 20.104



53, 88.180, 23.413

Previews

White Background



This preview shows how the CIE LCh color 25, 50.238, 19.176 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, 50.238, 19.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

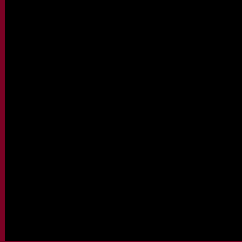
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 50.238, 19.176

Background



This preview shows how black text looks on a background with the CIELCh color 25, 50.238, 19.176.



This preview shows how white text looks on a background with the CIELCh color 25, 50.238, 19.176.

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, 50.238, 19.176

Protanopia

27, 5.379, 93.888

Deuteranopia

26, 20.863, 80.844



Tritanopia
26, 54.718, 36.680

Trichromacy



Original Color
25, 50.238, 19.176

Protanomaly
23, 22.642, 11.876

Deuteranomaly
23, 29.429, 33.287

Tritanomaly
25, 52.870, 31.219

Monochromacy



Original Color
25, 50.238, 19.176

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 22.546, 5.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 50.238, 19.176 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(123, 2, 37)` looks like.

```
.text, #text, p{  
    color:rgb(123, 2, 37)  
}
```

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(123, 2, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 2, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 50.238, 19.176 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(123, 2, 37) }
```

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

```
.border{ border-color:rgb(123, 2, 37) }
```

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

Here you see how a box with a 4 pixel rgb(123, 2, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 2, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 2, 37);  
box-shadow:4px 4px 4px 4px rgb(123, 2, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 50.238, 19.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 2, 37) }
```

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

```
.background{ background-color: rgb(123, 2,  
37) }
```

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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