

Converting Colors

CIELCh(23, 56.930, 6.445)

Have a look what the booklet for
CIELCh(23, 56.930, 6.445) contains.

CIELCh(25, 49.978, 11.272)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(25, 49.978, 11.272)

Conversions

Conversions Part 1

Format	Color
Hex	7C002F
RGB	124, 0, 47
RGB Percent	49%, 0%, 18%
CMY	0.5152, 1.0000, 0.8158
CMYK	0.00, 1.00, 0.62, 0.52
HSL	337°, 100%, 24%
HSV	337°, 100%, 48%
XYZ	8.7467, 4.4155, 3.0773
YIQ	42.4340, 58.8170, 40.9050

Conversions

Conversions Part 2

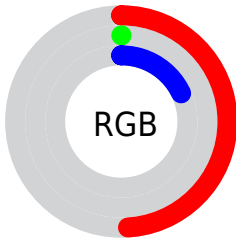
Format	Color
RYB	124, 0, 47
Decimal	8126511
CIELab	25.00, 49.01, 9.77
CIELCh	25, 49.978, 11.272
Yxy	4.4155, 0.5386, 0.2719
Android (android.graphics.Color)	4286316591 (0xFF7C002F)
YUV	42.4340, 2.2510, 71.5334
Hunter-Lab	21.0130, 37.5278, 6.0264

Details

The CIELCh color **25, 49.978, 11.272** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **45, 44.890, 156.923**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 49.648, 12.122**, and **11, 35.778, 29.053** is the 20% darker color. If you saturate the color by 10%, you get **25, 49.608, 11.587**, and if you desaturate by 10%, it is **26, 47.193, 7.439**.

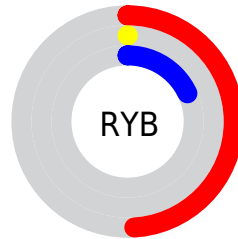
Distribution



Red (49%)

Green (0%)

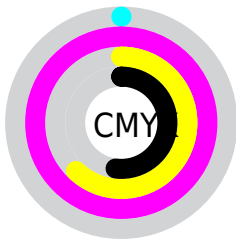
Blue (18%)



Red (49%)

Yellow (0%)

Blue (18%)

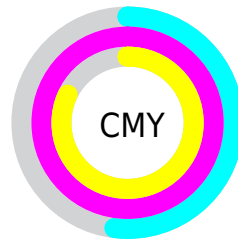


Cyan (0%)

Magenta (100%)

Yellow (62%)

Black (52%)



Cyan (52%)

Magenta (100%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 49.978, 11.272 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, 49.978, 11.272 by changing the saturation by 10% instead.

 25, 49.978, 11.272

 25, 49.978, 11.272

 100, 49.978,
11.272

 15, 49.978, 11.272

 45, 49.978, 11.272

 5, 49.978, 11.272

 55, 49.978, 11.272

 0, 49.978, 11.272

 65, 49.978, 11.272

 75, 49.978, 11.272

 85, 49.978, 11.272

 95, 49.978, 11.272

 25, 49.978, 11.272

 25, 49.978, 11.272

■ 25, 49.608, 11.587

■ 26, 47.193, 7.439

■ 28, 44.234, 3.740

■ 29, 40.213, 0.795

■ 32, 35.297,
358.446

■ 35, 29.747,
356.546

■ 38, 23.830,
354.978

■ 41, 17.764,
353.654

■ 45, 11.709,
352.511

■ 48, 5.769, 351.492

Harmonies

Complementary

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



25, 49.978, 11.272



45, 44.890, 156.923

Rectangle

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



25, 49.978, 11.272



25, 49.978, 61.272



25, 49.978, 191.272



25, 49.978, 241.272

Sweetspot

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



25, 49.608, 11.587



53, 22.025, 353.743



20, 71.024, 315.239



26, 15.184, 354.185



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, 49.608, 11.587



34, 60.195, 12.983



26, 57.906, 40.595



24, 3.218, 351.399



25, 49.997, 11.651



54, 84.783, 14.759

Inverse Universe

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



25, 49.608, 11.587



34, 60.195, 12.983



42, 25.883, 216.784



24, 3.218, 351.399



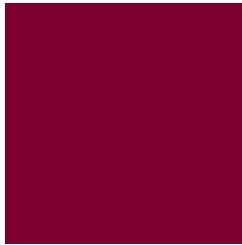
25, 49.997, 11.651



54, 84.783, 14.759

Previews

White Background



This preview shows how the CIELCh color 25, 49.978, 11.272 looks on a white background.

Color Contrast Check

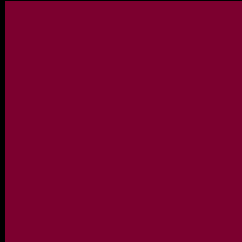
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.978, 11.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

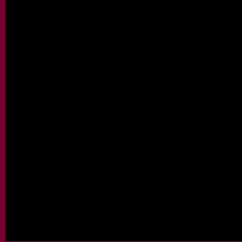
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 49.978, 11.272

Background



This preview shows how black text looks on a background with the CIELCh color 25, 49.978, 11.272.



This preview shows how white text looks on a background with the CIELCh color 25, 49.978, 11.272.

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, 49.727, 11.691

Protanopia

27, 3.914, 290.967

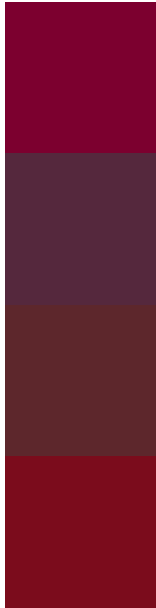
Deuteranopia

27, 14.599, 76.223



Tritanopia
26, 52.673, 35.361

Trichromacy



Original Color
25, 49.727, 11.691

Protanomaly
23, 24.004, 350.873

Deuteranomaly
24, 26.714, 19.252

Tritanomaly
25, 50.687, 27.214

Monochromacy



Original Color
25, 49.727, 11.691

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 23.576, 358.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 49.978, 11.272 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(124, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(124, 0, 47)  
}
```

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(124, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 0, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 49.978, 11.272 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(124, 0, 47) }
```

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

```
.border{ border-color:rgb(124, 0, 47) }
```

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

Here you see how a box with a 4 pixel rgb(124, 0, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(124, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 49.978, 11.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 0, 47) }
```

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

```
.background{ background-color: rgb(124, 0,  
47) }
```

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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