

Converting Colors

CIElCh(25, 49.375, 0.472)

Have a look what the booklet for
CIELCh(25, 49.375, 0.472) contains.

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Color

CIELCh(25, 49.194, 1.090)

Conversions

Conversions Part 1

Format	Color
Hex	7A003C
RGB	122, 0, 60
RGB Percent	48%, 0%, 24%
CMY	0.5232, 1.0000, 0.7660
CMYK	0.00, 1.00, 0.51, 0.52
HSL	331°, 100%, 24%
HSV	331°, 100%, 48%
XYZ	8.7666, 4.4155, 4.6193
YIQ	43.3180, 53.4520, 44.5240

Conversions

Conversions Part 2

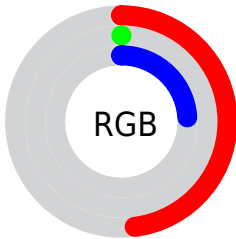
Format	Color
R_{YB}	122, 0, 60
Decimal	7995452
CIE _{Lab}	25.00, 49.19, 0.94
CIE _{LCh}	25, 49.194, 1.090
Yxy	4.4155, 0.4925, 0.2480
Android (android.graphics.Color)	4286185532 (0xFF7A003C)
YUV	43.3180, 8.2242, 69.0041
Hunter-Lab	21.0130, 37.6969, 1.6754

Details

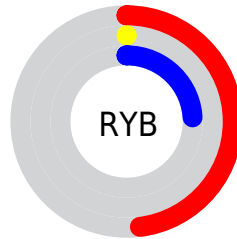
The CIELCh color **25, 49.194, 1.090** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **44, 50.059, 150.520**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 49.080, 1.162**, and **11, 32.769, 15.750** is the 20% darker color. If you saturate the color by 10%, you get **25, 49.066, 1.168**, and if you desaturate by 10%, it is **26, 47.322, 357.880**.

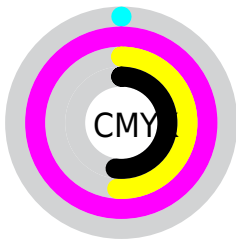
Distribution



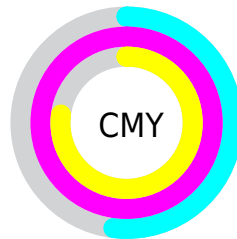
- Red (48%)
- Green (0%)
- Blue (24%)



- Red (48%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (52%)



- Cyan (52%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 49.194, 1.090 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, 49.194, 1.090 by changing the saturation by 10% instead.

 25, 49.194, 1.090  25, 49.194, 1.090

 100, 49.194, 1.090  15, 49.194, 1.090

 45, 49.194, 1.090  5, 49.194, 1.090

 55, 49.194, 1.090  0, 49.194, 1.090

 65, 49.194, 1.090

 75, 49.194, 1.090

 85, 49.194, 1.090

 95, 49.194, 1.090

 25, 49.194, 1.090  25, 49.194, 1.090

 25, 49.066, 1.168  26, 47.322,

357.880

■ 27, 44.853,
354.986

■ 29, 41.135,
352.676

■ 32, 36.370,
350.807

■ 34, 30.847,
349.262

■ 37, 24.851,
347.956

■ 41, 18.620,
346.824

■ 44, 12.330,
345.823

■ 47, 6.101, 344.911

Harmonies

Complementary

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



25, 49.194, 1.090



44, 50.059, 150.520

Rectangle

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



25, 49.194, 1.090



25, 49.194, 51.090



25, 49.194, 181.090



25, 49.194, 231.090

Sweetspot

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



25, 49.066, 1.168



52, 23.092, 346.902



17, 71.861, 312.307



25, 15.682, 347.270



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, 49.066, 1.168



34, 59.259, 2.308



24, 58.709, 37.926



24, 3.451, 344.828



26, 50.026, 1.298



54, 83.900, 3.820

Inverse Universe

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



25, 49.066, 1.168



34, 59.259, 2.308



46, 28.971, 196.386



24, 3.451, 344.828



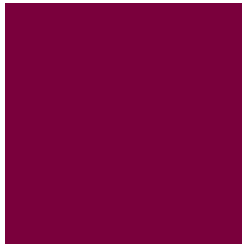
26, 50.026, 1.298



54, 83.900, 3.820

Previews

White Background



This preview shows how the CIE LCh color 25, 49.194, 1.090 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 CIELCh color 25, 49.194, 1.090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

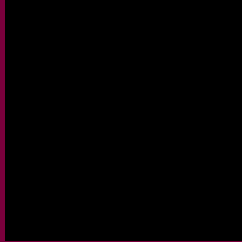
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 49.194, 1.090

Background



This preview shows how black text looks on a background with the CIELCh color 25, 49.194, 1.090.



This preview shows how white text looks on a background with the CIELCh color 25, 49.194, 1.090.

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, 49.194, 1.090

Protanopia

27, 15.756, 285.001

Deuteranopia

27, 6.563, 56.319



Tritanopia
26, 48.307, 32.660

Trichromacy



Original Color
25, 49.194, 1.090

Protanomaly
23, 29.125, 329.894

Deuteranomaly
23, 25.638, 359.294

Tritanomaly
25, 47.409, 21.019

Monochromacy



Original Color
25, 49.194, 1.090

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 24.644, 350.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 49.194, 1.090 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(122, 0, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 49.194, 1.090 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, 60) }
```

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

```
.border{ border-color:rgb(122, 0, 60) }
```

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, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(122, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 49.194, 1.090 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, 60) }
```

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

```
.background{ background-color: rgb(122, 0,  
60) }
```

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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