

Converting Colors

CIELCh(25, 47.276, 19.697)

Have a look what the booklet for
CIELCh(25, 47.276, 19.697) contains.

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Color

CIELCh(25, 47.218, 19.566)

Conversions

Conversions Part 1

Format	Color
Hex	780D26
RGB	120, 13, 38
RGB Percent	47%, 5%, 15%
CMY	0.5296, 0.9492, 0.8511
CMYK	0.00, 0.89, 0.68, 0.53
HSL	346°, 81%, 26%
HSV	346°, 89%, 47%
XYZ	8.2314, 4.4155, 2.2492
YIQ	47.8430, 55.7470, 30.4590

Conversions

Conversions Part 2

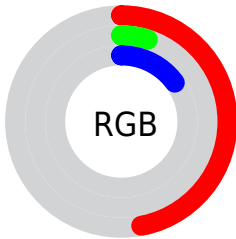
Format	Color
R _Y B	120, 13, 38
Decimal	7867686
CIE Lab	25.00, 44.49, 15.81
CIE LCh	25, 47.218, 19.566
Yxy	4.4155, 0.5526, 0.2964
Android (android.graphics.Color)	4286057766 (0xFF780D26)
YUV	47.8430, -4.8526, 63.2817
Hunter-Lab	21.0130, 33.1510, 8.3627

Details

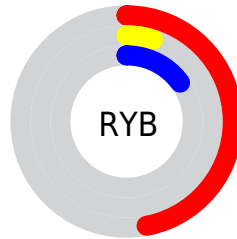
The CIELCh color **25, 47.218, 19.566** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **45, 34.791, 170.208**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 47.307, 19.970**, and **10, 33.942, 27.653** is the 20% darker color. If you saturate the color by 10%, you get **24, 50.900, 24.129**, and if you desaturate by 10%, it is **26, 43.199, 15.349**.

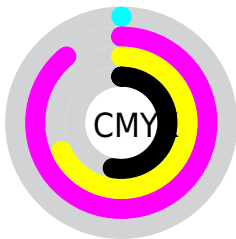
Distribution



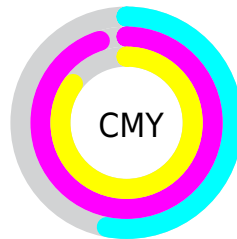
- Red (47%)
- Green (5%)
- Blue (15%)



- Red (47%)
- Yellow (5%)
- Blue (15%)



- Cyan (0%)
- Magenta (89%)
- Yellow (68%)
- Black (53%)



- Cyan (53%)
- Magenta (95%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 47.218, 19.566 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, 47.218, 19.566 by changing the saturation by 10% instead.

 25, 47.218, 19.566

 25, 47.218, 19.566

 100, 47.218,
19.566

 15, 47.218, 19.566

 45, 47.218, 19.566

 5, 47.218, 19.566

 55, 47.218, 19.566

 0, 47.218, 19.566

 65, 47.218, 19.566

 75, 47.218, 19.566

 85, 47.218, 19.566

 95, 47.218, 19.566

 25, 47.218, 19.566

 25, 47.218, 19.566

■ 24, 50.900, 24.129

■ 26, 43.199, 15.349

■ 24, 51.213, 24.459

■ 28, 38.477, 11.922

■ 31, 33.180, 9.185

■ 34, 27.518, 6.996

■ 37, 21.705, 5.225

■ 40, 15.912, 3.766

■ 43, 10.256, 2.539

■ 47, 4.807, 1.466

■ 51, 0.400, 181.503

Harmonies

Complementary

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



25, 47.218, 19.566



45, 34.791, 170.208

Rectangle

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



25, 47.218, 19.566



25, 47.218, 69.566



25, 47.218, 199.566



25, 47.218, 249.566

Sweetspot

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



25, 47.216, 19.568



52, 18.143, 3.563



24, 64.345, 319.622



26, 12.382, 3.920



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, 47.216, 19.568



32, 62.493, 25.984



28, 48.189, 45.474



24, 2.988, 1.454



25, 52.829, 24.724



53, 91.100, 27.987

Inverse Universe

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



25, 47.216, 19.568



32, 62.493, 25.984



37, 24.695, 240.249



24, 2.988, 1.454



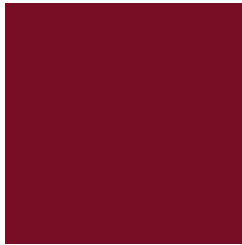
25, 52.829, 24.724



53, 91.100, 27.987

Previews

White Background



This preview shows how the CIE LCh color 25, 47.218, 19.566 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, 47.218, 19.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

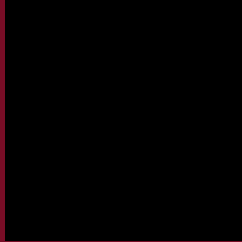
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 47.218, 19.566

Background



This preview shows how black text looks on a background with the CIELCh color 25, 47.218, 19.566.



This preview shows how white text looks on a background with the CIELCh color 25, 47.218, 19.566.

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, 47.218, 19.566

Protanopia

26, 4.766, 92.024

Deuteranopia

26, 19.786, 79.620



Tritanopia
25, 50.685, 34.586

Trichromacy



Original Color
25, 47.218, 19.566

Protanomaly
24, 20.163, 14.915

Deuteranomaly
24, 27.198, 35.693

Tritanomaly
25, 49.007, 29.747

Monochromacy



Original Color
25, 47.218, 19.566

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 19.771, 7.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 47.218, 19.566 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(120, 13, 38)` looks like.

```
.text, #text, p{  
    color:rgb(120, 13, 38)  
}
```

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(120, 13, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 13, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 47.218, 19.566 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(120, 13, 38) }
```

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

```
.border{ border-color:rgb(120, 13, 38) }
```

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

Here you see how a box with a 4 pixel rgb(120, 13, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 13, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 13, 38);  
box-shadow:4px 4px 4px 4px rgb(120, 13,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 47.218, 19.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 13, 38) }
```

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

```
.background{ background-color: rgb(120, 13,  
38) }
```

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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