

Converting Colors

CIELCh(25, 46.971, 6.277)

Have a look what the booklet for
CIELCh(25, 46.971, 6.277) contains.

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Color

CIELCh(25, 47.060, 5.822)

Conversions

Conversions Part 1

Format	Color
Hex	780736
RGB	120, 7, 54
RGB Percent	47%, 3%, 21%
CMY	0.5293, 0.9723, 0.7881
CMYK	0.00, 0.94, 0.55, 0.53
HSL	335°, 89%, 25%
HSV	335°, 94%, 47%
XYZ	8.4938, 4.4155, 3.8980
YIQ	46.1450, 52.2610, 38.5730

Conversions

Conversions Part 2

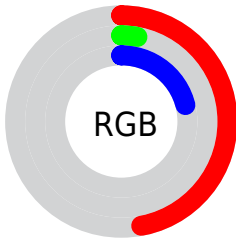
Format	Color
RYB	120, 7, 54
Decimal	7866166
CIELab	25.00, 46.82, 4.77
CIElCh	25, 47.060, 5.822
Yxy	4.4155, 0.5054, 0.2627
Android (android.graphics.Color)	4286056246 (0xFF780736)
YUV	46.1450, 3.8725, 64.7708
Hunter-Lab	21.0130, 35.3797, 3.7106

Details

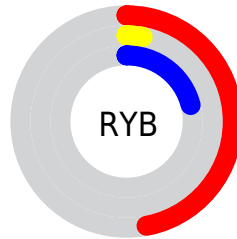
The CIELCh color **25, 47.060, 5.822** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **44, 44.023, 155.878**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 47.021, 6.080**, and **10, 33.291, 22.430** is the 20% darker color. If you saturate the color by 10%, you get **24, 48.376, 8.064**, and if you desaturate by 10%, it is **26, 44.739, 2.099**.

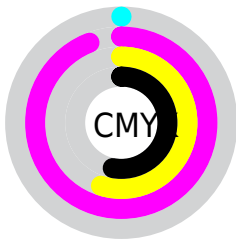
Distribution



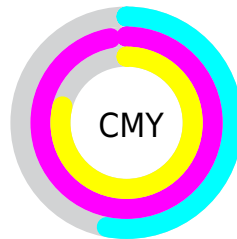
- Red (47%)
- Green (3%)
- Blue (21%)



- Red (47%)
- Yellow (3%)
- Blue (21%)



- Cyan (0%)
- Magenta (94%)
- Yellow (55%)
- Black (53%)



- Cyan (53%)
- Magenta (97%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 47.060, 5.822 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, 47.060, 5.822 by changing the saturation by 10% instead.

 25, 47.060, 5.822  25, 47.060, 5.822

 100, 47.060, 5.822  15, 47.060, 5.822

 45, 47.060, 5.822  5, 47.060, 5.822

 55, 47.060, 5.822  0, 47.060, 5.822

 65, 47.060, 5.822

 75, 47.060, 5.822

 85, 47.060, 5.822

 95, 47.060, 5.822

 25, 47.060, 5.822  25, 47.060, 5.822

 24, 48.376, 8.064  26, 44.739, 2.099

■ 28, 41.343,
359.100

■ 30, 36.932,
356.708

■ 33, 31.749,
354.777

■ 35, 26.066,
353.185

■ 39, 20.127,
351.842

■ 42, 14.117,
350.685

■ 45, 8.163, 349.662

■ 49, 2.344, 348.675

Harmonies

Complementary

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



25, 47.060, 5.822



44, 44.023, 155.878

Rectangle

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



25, 47.060, 5.822



25, 47.060, 55.822



25, 47.060, 185.822



25, 47.060, 235.822

Sweetspot

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



25, 47.058, 5.824



52, 20.356, 351.195



20, 67.556, 314.512



25, 14.199, 351.615



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, 47.058, 5.824



33, 58.441, 9.404



25, 54.404, 38.646



24, 3.288, 349.179



26, 49.796, 8.290



54, 84.103, 11.243

Inverse Universe

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



25, 47.058, 5.824



33, 58.441, 9.404



42, 25.681, 209.665



24, 3.288, 349.179



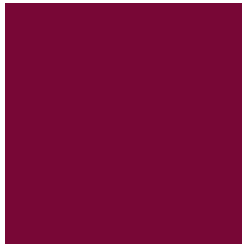
26, 49.796, 8.290



54, 84.103, 11.243

Previews

White Background



This preview shows how the CIE LCh color 25, 47.060, 5.822 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, 47.060, 5.822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

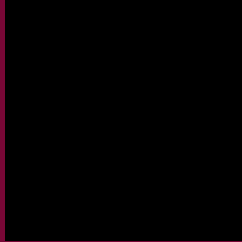
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 47.060, 5.822

Background



This preview shows how black text looks on a background with the CIELCh color 25, 47.060, 5.822.



This preview shows how white text looks on a background with the CIELCh color 25, 47.060, 5.822.

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, 47.060, 5.822

Protanopia

26, 10.538, 283.502

Deuteranopia

26, 9.671, 67.342



Tritanopia
25, 48.891, 33.151

Trichromacy



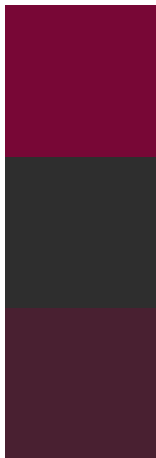
Original Color
25, 47.060, 5.822

Protanomaly
23, 24.116, 337.968

Deuteranomaly
24, 24.024, 9.948

Tritanomaly
25, 46.806, 23.341

Monochromacy



Original Color
25, 47.060, 5.822

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 21.879, 354.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 47.060, 5.822 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, 7, 54)` looks like.

```
.text, #text, p{  
    color:rgb(120, 7, 54)  
}
```

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, 7, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 7, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 47.060, 5.822 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, 7, 54) }
```

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

```
.border{ border-color:rgb(120, 7, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 7, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 7, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 7, 54);  
box-shadow:4px 4px 4px 4px rgb(120, 7, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 47.060, 5.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 7, 54) }
```

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

```
.background{ background-color: rgb(120, 7,  
54) }
```

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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