

Converting Colors

CIELCh(25, 46.777, 28.907)

Have a look what the booklet for
CIELCh(25, 46.777, 28.907) contains.

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Color

CIELCh(25, 46.548, 28.609)

Conversions

Conversions Part 1

Format	Color
Hex	75151C
RGB	117, 21, 28
RGB Percent	46%, 8%, 11%
CMY	0.5407, 0.9171, 0.8899
CMYK	0.00, 0.82, 0.76, 0.54
HSL	356°, 69%, 27%
HSV	356°, 82%, 46%
XYZ	7.8332, 4.4155, 1.5432
YIQ	50.5020, 54.9690, 22.5290

Conversions

Conversions Part 2

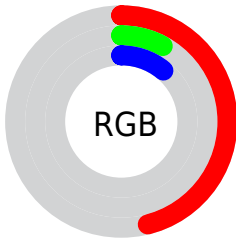
Format	Color
R_{YB}	117, 21, 28
Decimal	7673116
CIE Lab	25.00, 40.86, 22.29
CIE LCh	25, 46.548, 28.609
Yxy	4.4155, 0.5680, 0.3201
Android (android.graphics.Color)	4285863196 (0xFF75151C)
YUV	50.5020, -11.0935, 58.3187
Hunter-Lab	21.0130, 29.7681, 10.3547

Details

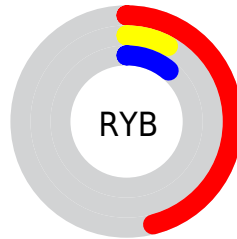
The CIELCh color **25, 46.548, 28.609** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **44, 27.998, 187.729**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 46.626, 28.080**, and **9, 32.104, 26.054** is the 20% darker color. If you saturate the color by 10%, you get **24, 51.651, 32.638**, and if you desaturate by 10%, it is **27, 40.896, 25.042**.

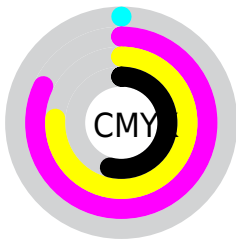
Distribution



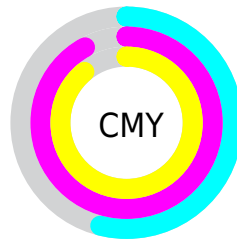
- Red (46%)
- Green (8%)
- Blue (11%)



- Red (46%)
- Yellow (8%)
- Blue (11%)



- Cyan (0%)
- Magenta (82%)
- Yellow (76%)
- Black (54%)



- Cyan (54%)
- Magenta (92%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 46.548, 28.609 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, 46.548, 28.609 by changing the saturation by 10% instead.

 25, 46.548, 28.609

 25, 46.548, 28.609

 100, 46.548,
28.609

 15, 46.548, 28.609

 45, 46.548, 28.609

 5, 46.548, 28.609

 55, 46.548, 28.609

 0, 46.548, 28.609

 65, 46.548, 28.609

 75, 46.548, 28.609

 85, 46.548, 28.609

 95, 46.548, 28.609

 25, 46.548, 28.609

 25, 46.548, 28.609

24, 51.651, 32.638

27, 40.896, 25.042

23, 55.021, 34.654

29, 34.916, 22.102

32, 28.800, 19.754

35, 22.727, 17.898

38, 16.834, 16.426

41, 11.214, 15.243

45, 5.909, 14.265

49, 0.935, 13.156

52, 3.720, 192.998

Harmonies

Complementary

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



25, 46.548, 28.609



44, 27.998, 187.729

Rectangle

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



25, 46.548, 28.609



25, 46.548, 78.609



25, 46.548, 208.609



25, 46.548, 258.609

Sweetspot

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



25, 46.546, 28.611



52, 16.082, 15.651



27, 60.023, 325.170



25, 11.000, 15.975



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



25, 46.546, 28.611



32, 67.268, 35.935



32, 40.103, 57.910



23, 2.760, 14.001



24, 57.067, 35.074



52, 100.070, 37.842

Inverse Universe

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



25, 46.546, 28.611



32, 67.268, 35.935



31, 28.050, 264.636



23, 2.760, 14.001



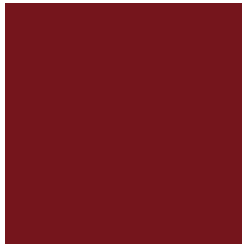
24, 57.067, 35.074



52, 100.070, 37.842

Previews

White Background



This preview shows how the CIELCh color 25, 46.548, 28.609 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, 46.548, 28.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

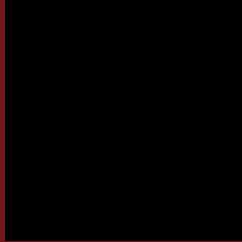
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 46.548, 28.609

Background



This preview shows how black text looks on a background with the CIELCh color 25, 46.548, 28.609.

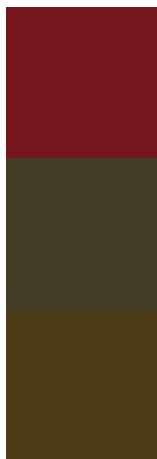


This preview shows how white text looks on a background with the CIELCh color 25, 46.548, 28.609.

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, 46.548, 28.609

Protanopia

26, 13.955, 94.773

Deuteranopia

26, 25.301, 81.337



Tritanopia
25, 48.027, 32.993

Trichromacy



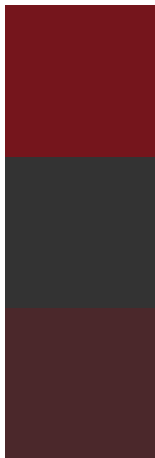
Original Color
25, 46.548, 28.609

Protanomaly
24, 21.651, 42.110

Deuteranomaly
24, 30.109, 49.528

Tritanomaly
25, 47.439, 31.700

Monochromacy



Original Color
25, 46.548, 28.609

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 17.555, 17.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 46.548, 28.609 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(117, 21, 28)` looks like.

```
.text, #text, p{  
    color:rgb(117, 21, 28)  
}
```

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(117, 21, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 21, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 46.548, 28.609 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(117, 21, 28) }
```

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

```
.border{ border-color:rgb(117, 21, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 21, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 21, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 21, 28);  
box-shadow:4px 4px 4px 4px rgb(117, 21,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 46.548, 28.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 21, 28) }
```

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

```
.background{ background-color: rgb(117, 21,  
28) }
```

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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