

Converting Colors

CIELCh(25, 54.632, 35.961)

Have a look what the booklet for
CIELCh(25, 54.632, 35.961) contains.

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Color

CIELCh(25, 54.722, 36.003)

Conversions

Conversions Part 1

Format	Color
Hex	7A0C0C
RGB	122, 12, 12
RGB Percent	48%, 5%, 5%
CMY	0.5220, 0.9535, 0.9533
CMYK	0.00, 0.90, 0.90, 0.52
HSL	360°, 82%, 26%
HSV	360°, 90%, 48%
XYZ	8.2067, 4.4155, 0.7646
YIQ	44.8900, 65.5600, 23.3200

Conversions

Conversions Part 2

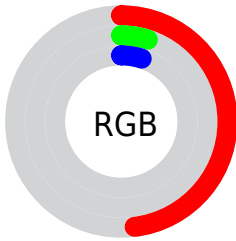
Format	Color
RYB	122, 12, 12
Decimal	7998476
CIELab	25.00, 44.27, 32.17
CIELCh	25, 54.722, 36.003
Yxy	4.4155, 0.6130, 0.3298
Android (android.graphics.Color)	4286188556 (0xFF7A0C0C)
YUV	44.8900, -16.2148, 67.6255
Hunter-Lab	21.0130, 32.9406, 12.5518

Details

The CIELCh color **25, 54.722, 36.003** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **46, 28.324, 196.394**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 55.078, 36.105**, and **10, 33.482, 27.273** is the 20% darker color. If you saturate the color by 10%, you get **24, 58.824, 37.932**, and if you desaturate by 10%, it is **26, 49.089, 32.769**.

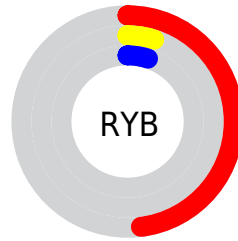
Distribution



Red (48%)

Green (5%)

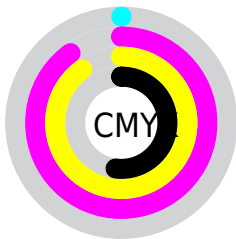
Blue (5%)



Red (48%)

Yellow (5%)

Blue (5%)

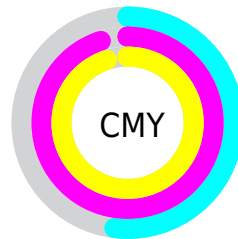


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (52%)



Cyan (52%)

Magenta (95%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 54.722, 36.003 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, 54.722, 36.003 by changing the saturation by 10% instead.

■ 25, 54.722, 36.003

■ 25, 54.722, 36.003

■ 100, 54.722,
36.003

■ 15, 54.722, 36.003

■ 45, 54.722, 36.003

■ 5, 54.722, 36.003

■ 55, 54.722, 36.003

■ 0, 54.722, 36.003

■ 65, 54.722, 36.003

■ 75, 54.722, 36.003

■ 85, 54.722, 36.003

■ 95, 54.722, 36.003

■ 25, 54.722, 36.003

■ 25, 54.722, 36.003

24, 58.824, 37.932

26, 49.089, 32.769

28, 42.658, 29.554

31, 35.969, 26.859

33, 29.271, 24.713

37, 22.748, 23.042

40, 16.523, 21.747

44, 10.667, 20.738

47, 5.206, 19.924

51, 0.134, 16.521

Harmonies

Complementary

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



25, 54.722, 36.003



46, 28.324, 196.394

Rectangle

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



25, 54.722, 36.003



25, 54.722, 86.003



25, 54.722, 216.003



25, 54.722, 266.003

Sweetspot

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



25, 54.720, 36.005



53, 18.062, 21.459



29, 64.656, 327.521



25, 12.220, 21.751



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, 54.720, 36.005



32, 72.785, 39.646



34, 44.830, 62.235



24, 2.851, 19.832



25, 60.062, 38.156



53, 103.763, 39.987

Inverse Universe

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



25, 54.720, 36.005



32, 72.785, 39.646



29, 35.363, 276.557



24, 2.851, 19.832



25, 60.062, 38.156



53, 103.763, 39.987

Previews

White Background



This preview shows how the CIE LCh color 25, 54.722, 36.003 looks on a white background.

Color Contrast Check

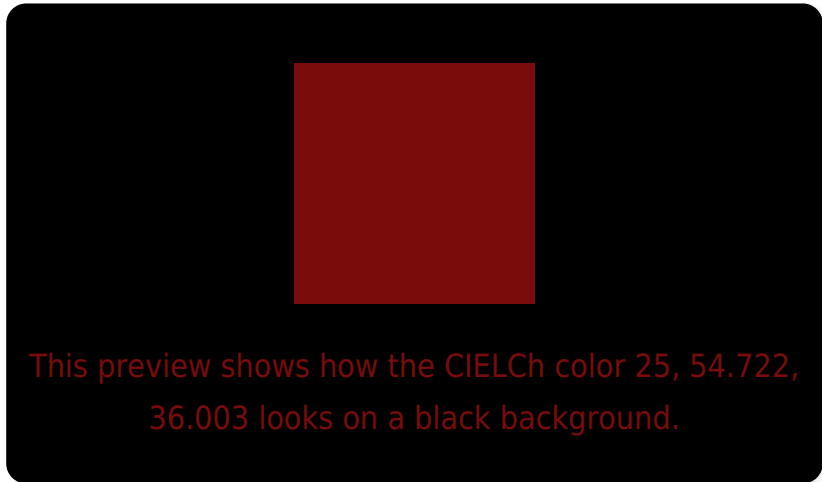
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 54.722, 36.003

Background



This preview shows how black text looks on a background with the CIELCh color 25, 54.722, 36.003.



This preview shows how white text looks on a background with the CIELCh color 25, 54.722, 36.003.

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, 54.722, 36.003

Protanopia

26, 25.262, 96.482

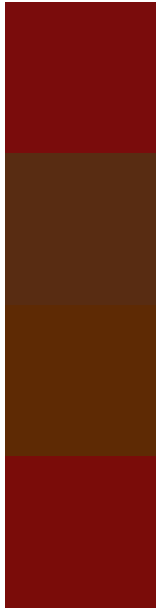
Deuteranopia

26, 35.366, 85.865



Tritanopia
25, 55.871, 37.766

Trichromacy



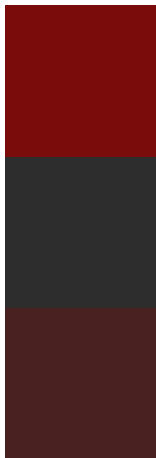
Original Color
25, 54.722, 36.003

Protanomaly
23, 30.916, 54.554

Deuteranomaly
24, 38.792, 56.577

Tritanomaly
25, 55.415, 37.085

Monochromacy



Original Color
25, 54.722, 36.003

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 20.948, 24.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 54.722, 36.003 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, 12, 12)` looks like.

```
.text, #text, p{  
    color:rgb(122, 12, 12)  
}
```

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, 12, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 12, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 54.722, 36.003 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, 12, 12) }
```

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

```
.border{ border-color:rgb(122, 12, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 12, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 12, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 12, 12);  
box-shadow:4px 4px 4px 4px rgb(122, 12,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 54.722, 36.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 12, 12) }
```

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

```
.background{ background-color: rgb(122, 12,  
12) }
```

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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