

Converting Colors

CIELCh(25, 48.256, 33.338)

Have a look what the booklet for
CIELCh(25, 48.256, 33.338) contains.

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Color

CIELCh(25, 48.328, 33.618)

Conversions

Conversions Part 1

Format	Color
Hex	751615
RGB	117, 22, 21
RGB Percent	46%, 9%, 8%
CMY	0.5410, 0.9135, 0.9175
CMYK	0.00, 0.81, 0.82, 0.54
HSL	1°, 70%, 27%
HSV	1°, 82%, 46%
XYZ	7.7664, 4.4155, 1.1541
YIQ	50.2910, 56.9410, 19.8290

Conversions

Conversions Part 2

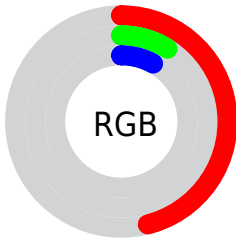
Format	Color
RYB	117, 22, 21
Decimal	7673365
CIELab	25.00, 40.25, 26.76
CIELCh	25, 48.328, 33.618
Yxy	4.4155, 0.5824, 0.3311
Android (android.graphics.Color)	4285863445 (0xFF751615)
YUV	50.2910, -14.4405, 58.5038
Hunter-Lab	21.0130, 29.2010, 11.4528

Details

The CIELCh color **25, 48.328, 33.618** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **44, 26.306, 197.928**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 48.201, 33.764**, and **9, 32.104, 26.054** is the 20% darker color. If you saturate the color by 10%, you get **24, 53.467, 36.355**, and if you desaturate by 10%, it is **27, 42.125, 30.490**.

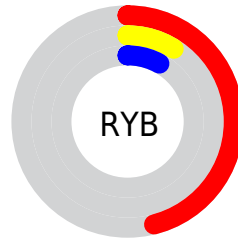
Distribution



Red (46%)

Green (9%)

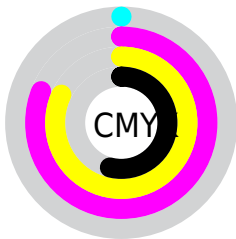
Blue (8%)



Red (46%)

Yellow (9%)

Blue (8%)

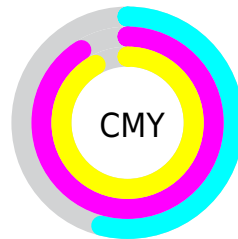


Cyan (0%)

Magenta (81%)

Yellow (82%)

Black (54%)



Cyan (54%)

Magenta (91%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 48.328, 33.618 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, 48.328, 33.618 by changing the saturation by 10% instead.

 25, 48.328, 33.618

 25, 48.328, 33.618

 100, 48.328,
33.618

 15, 48.328, 33.618

 45, 48.328, 33.618

 5, 48.328, 33.618

 55, 48.328, 33.618

 0, 48.328, 33.618

 65, 48.328, 33.618

 75, 48.328, 33.618

 85, 48.328, 33.618

 95, 48.328, 33.618

 25, 48.328, 33.618

 25, 48.328, 33.618

■ 24, 53.467, 36.355

■ 27, 42.125, 30.490

■ 23, 56.694, 37.798

■ 29, 35.659, 27.831

■ 32, 29.181, 25.700

■ 35, 22.868, 24.035

■ 38, 16.841, 22.746

■ 41, 11.167, 21.745

■ 45, 5.872, 20.949

■ 49, 0.954, 20.024

■ 52, 3.608, 200.050

Harmonies

Complementary

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



25, 48.328, 33.618



44, 26.306, 197.928

Rectangle

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



25, 48.328, 33.618



25, 48.328, 83.618



25, 48.328, 213.618



25, 48.328, 263.618

Sweetspot

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



25, 48.326, 33.620



52, 15.994, 22.079



28, 60.128, 327.973



25, 10.957, 22.353



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, 48.326, 33.620



32, 69.758, 39.178



34, 39.535, 65.205



23, 2.721, 20.732



24, 58.889, 38.215



52, 102.857, 40.077

Inverse Universe

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



44, 26.306, 197.928



57, 33.594, 198.012



29, 32.159, 274.795



24, 2.577, 199.956



46, 28.685, 197.994



89, 48.594, 198.085

Previews

White Background



This preview shows how the CIE LCh color 25, 48.328, 33.618 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, 48.328, 33.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

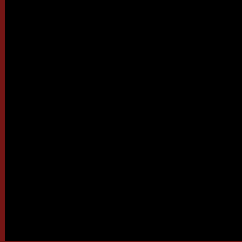
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 48.328, 33.618

Background



This preview shows how black text looks on a background with the CIELCh color 25, 48.328, 33.618.



This preview shows how white text looks on a background with the CIELCh color 25, 48.328, 33.618.

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, 48.328, 33.618

Protanopia

26, 19.579, 95.381

Deuteranopia

26, 30.570, 84.097



Tritanopia
25, 48.027, 32.993

Trichromacy



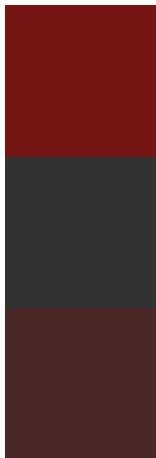
Original Color
25, 48.328, 33.618

Protanomaly
24, 25.700, 52.298

Deuteranomaly
24, 33.816, 55.708

Tritanomaly
25, 48.027, 32.993

Monochromacy



Original Color
25, 48.328, 33.618

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 17.493, 25.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 48.328, 33.618 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, 22, 21)` looks like.

```
.text, #text, p{  
    color:rgb(117, 22, 21)  
}
```

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, 22, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 22, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 48.328, 33.618 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, 22, 21) }
```

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

```
.border{ border-color:rgb(117, 22, 21) }
```

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

Here you see how a box with a 4 pixel rgb(117, 22, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 22, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 22, 21);  
box-shadow:4px 4px 4px 4px rgb(117, 22,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 48.328, 33.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 22, 21) }
```

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

```
.background{ background-color: rgb(117, 22,  
21) }
```

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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