

Converting Colors

CIELCh(25, 34.461, 91.215)

Have a look what the booklet for
CIELCh(25, 34.461, 91.215) contains.

CIELCh(25, 33.888, 90.909)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(25, 33.888, 90.909)

Conversions

Conversions Part 1

Format	Color
Hex	473A00
RGB	71, 58, 0
RGB Percent	28%, 23%, 0%
CMY	0.7201, 0.7712, 0.9984
CMYK	0.00, 0.18, 0.99, 0.72
HSL	49°, 99%, 14%
HSV	49°, 99%, 28%
XYZ	4.1586, 4.4155, 0.6446
YIQ	55.2750, 26.3660, -15.2820

Conversions

Conversions Part 2

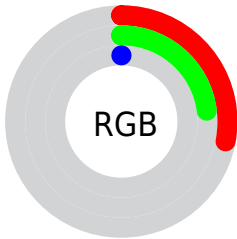
Format	Color
RYB	16, 71, 0
Decimal	4667904
CIELab	25.00, -0.54, 33.88
CIELCh	25, 33.888, 90.909
Yxy	4.4155, 0.4511, 0.4790
Android (android.graphics.Color)	4282857984 (0xFF473A00)
YUV	55.2750, -27.2506, 13.7908
Hunter-Lab	21.0130, -1.4467, 12.8904

Details

The CIELCh color **25, 33.888, 90.909** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **7, 42.670, 299.615**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 33.982, 91.369**, and **5, 7.323, 89.418** is the 20% darker color. If you saturate the color by 10%, you get **25, 34.027, 90.861**, and if you desaturate by 10%, it is **25, 31.427, 91.881**.

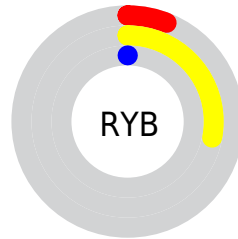
Distribution



Red (28%)

Green (23%)

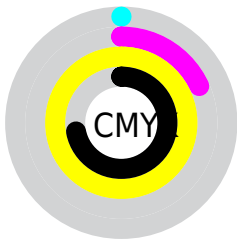
Blue (0%)



Red (6%)

Yellow (28%)

Blue (0%)

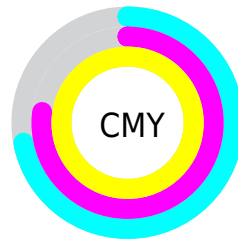


Cyan (0%)

Magenta (18%)

Yellow (99%)

Black (72%)



Cyan (72%)

Magenta (77%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 33.888, 90.909 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, 33.888, 90.909 by changing the saturation by 10% instead.

 25, 33.888, 90.909

 25, 33.888, 90.909

 100, 33.888,
90.909

 15, 33.888, 90.909

 45, 33.888, 90.909

 5, 33.888, 90.909

 55, 33.888, 90.909

 0, 33.888, 90.909

 65, 33.888, 90.909

 75, 33.888, 90.909

 85, 33.888, 90.909

 95, 33.888, 90.909

 25, 33.888, 90.909

 25, 33.888, 90.909

■ 25, 34.027, 90.861

■ 25, 31.427, 91.881

■ 26, 28.821, 92.975

■ 26, 25.719, 94.066

■ 27, 22.284, 95.152

■ 27, 18.653, 96.233

■ 28, 14.917, 97.307

■ 29, 11.134, 98.367

■ 29, 7.338, 99.408

■ 30, 3.551, 100.417

Harmonies

Complementary

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



25, 33.888, 90.909



7, 42.670, 299.615

Rectangle

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



25, 33.888, 90.909



25, 33.888, 140.909



25, 33.888, 270.909



25, 33.888, 320.909

Sweetspot

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



25, 33.888, 90.911



37, 13.984, 98.188



12, 34.762, 21.093



17, 9.402, 97.992



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 33.888, 90.911



32, 41.073, 90.322



27, 40.183, 118.462



14, 2.096, 100.500



35, 43.392, 90.174



77, 78.757, 89.079

Inverse Universe

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



7, 42.670, 299.615



10, 53.088, 301.083



6, 49.805, 308.619



13, 2.120, 282.285



12, 56.678, 301.382



32, 110.204, 303.274

Previews

White Background



This preview shows how the CIELCh color 25, 33.888, 90.909 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, 33.888, 90.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

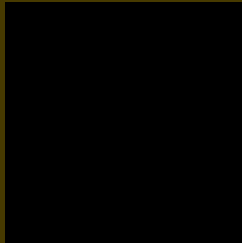
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 33.888, 90.909

Background



This preview shows how black text looks on a background with the CIELCh color 25, 33.888, 90.909.



This preview shows how white text looks on a background with the CIELCh color 25, 33.888, 90.909.

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, 33.888, 90.909

Protanopia

25, 32.917, 96.615

Deuteranopia

25, 31.914, 85.485



Tritanopia
25, 9.714, 5.796

Trichromacy



Original Color

25, 33.888, 90.909

Protanomaly

25, 33.152, 93.709

Deuteranomaly

25, 32.510, 86.665

Tritanomaly

25, 15.441, 72.679

Monochromacy



Original Color

25, 33.888, 90.909

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 13.988, 96.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 33.888, 90.909 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(71, 58, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 58, 0)  
}
```

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(71, 58, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 58, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 33.888, 90.909 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(71, 58, 0) }
```

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

```
.border{ border-color:rgb(71, 58, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 58, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 58, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(71, 58, 0); box-shadow:4px  
4px 4px 4px rgb(71, 58, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 33.888, 90.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 58, 0) }
```

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

```
.background{ background-color: rgb(71, 58,  
0) }
```

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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