

Converting Colors

CIELCh(25, 30.115, 89.699)

Have a look what the booklet for
CIELCh(25, 30.115, 89.699) contains.

CIELCh(25, 30.032, 89.099)	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, 30.032, 89.099)

Conversions

Conversions Part 1

Format	Color
Hex	483A0A
RGB	72, 58, 10
RGB Percent	28%, 23%, 4%
CMY	0.7180, 0.7728, 0.9611
CMYK	0.00, 0.19, 0.86, 0.72
HSL	46°, 76%, 16%
HSV	46°, 86%, 28%
XYZ	4.2305, 4.4155, 0.9141
YIQ	56.7140, 23.7520, -11.9600

Conversions

Conversions Part 2

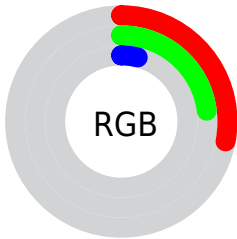
Format	Color
R_{YB}	28, 72, 10
Decimal	4733450
CIE Lab	25.00, 0.47, 30.03
CIE LCh	25, 30.032, 89.099
Yxy	4.4155, 0.4425, 0.4619
Android (android.graphics.Color)	4282923530 (0xFF483A0A)
YUV	56.7140, -23.0300, 13.4058
Hunter-Lab	21.0130, -0.8358, 12.1298

Details

The CIELCh color **25, 30.032, 89.099** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 34.911, 294.949**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 29.954, 89.308**, and **5, 7.729, 82.331** is the 20% darker color. If you saturate the color by 10%, you get **24, 32.445, 87.933**, and if you desaturate by 10%, it is **26, 27.243, 90.333**.

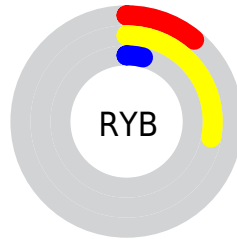
Distribution



Red (28%)

Green (23%)

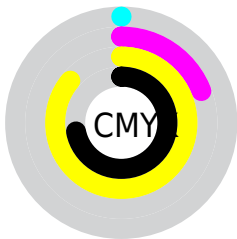
Blue (4%)



Red (11%)

Yellow (28%)

Blue (4%)

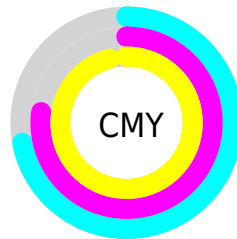


Cyan (0%)

Magenta (19%)

Yellow (86%)

Black (72%)



Cyan (72%)

Magenta (77%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 30.032, 89.099 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, 30.032, 89.099 by changing the saturation by 10% instead.

■ 25, 30.032, 89.099

■ 25, 30.032, 89.099

■ 100, 30.032,
89.099

■ 15, 30.032, 89.099

■ 45, 30.032, 89.099

■ 5, 30.032, 89.099

■ 55, 30.032, 89.099

■ 0, 30.032, 89.099

■ 65, 30.032, 89.099

■ 75, 30.032, 89.099

■ 85, 30.032, 89.099

■ 95, 30.032, 89.099

■ 25, 30.032, 89.099

■ 25, 30.032, 89.099

■ 24, 32.445, 87.933

■ 26, 27.243, 90.333

■ 24, 33.361, 87.535

■ 26, 24.014, 91.520

■ 27, 20.536, 92.682

■ 27, 16.924, 93.825

■ 28, 13.253, 94.948

■ 29, 9.567, 96.050

■ 29, 5.893, 97.123

■ 30, 2.244, 98.149

■ 31, 1.372, 279.262

Harmonies

Complementary

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



25, 30.032, 89.099



10, 34.911, 294.949

Rectangle

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



25, 30.032, 89.099



25, 30.032, 139.099



25, 30.032, 269.099



25, 30.032, 319.099

Sweetspot

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



25, 30.032, 89.102



38, 11.891, 95.958



14, 30.702, 15.919



19, 8.133, 95.774



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



25, 30.032, 89.102



32, 41.086, 86.881



28, 36.203, 116.951



14, 2.005, 97.913



34, 42.601, 86.756



74, 77.332, 85.346

Inverse Universe

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



10, 34.911, 294.949



12, 51.569, 299.549



8, 44.250, 307.233



13, 2.023, 279.765



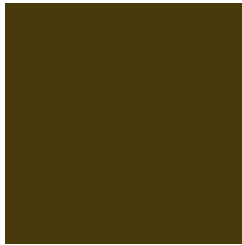
13, 53.858, 299.765



34, 105.352, 301.920

Previews

White Background



This preview shows how the CIELCh color 25, 30.032, 89.099 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 CIELCh color 25, 30.032, 89.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

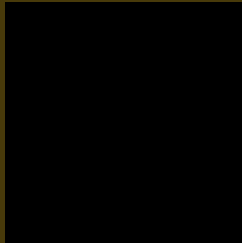
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 30.032, 89.099

Background



This preview shows how black text looks on a background with the CIELCh color 25, 30.032, 89.099.



This preview shows how white text looks on a background with the CIELCh color 25, 30.032, 89.099.

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, 30.032, 89.099

Protanopia

25, 30.088, 96.559

Deuteranopia

25, 29.925, 84.747



Tritanopia
25, 10.176, 6.636

Trichromacy



Original Color
25, 30.032, 89.099

Protanomaly
25, 29.926, 93.351

Deuteranomaly
25, 29.721, 85.726

Tritanomaly
25, 13.573, 62.525

Monochromacy



Original Color
25, 30.032, 89.099

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 11.454, 95.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 30.032, 89.099 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(72, 58, 10)` looks like.

```
.text, #text, p{  
    color:rgb(72, 58, 10)  
}
```

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(72, 58, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 58, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 30.032, 89.099 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(72, 58, 10) }
```

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

```
.border{ border-color:rgb(72, 58, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 58, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 58, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 58, 10);  
box-shadow:4px 4px 4px 4px rgb(72, 58, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 30.032, 89.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 58, 10) }
```

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

```
.background{ background-color: rgb(72, 58,  
10) }
```

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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