

Converting Colors

CIELCh(17, 25.233, 73.904)

Have a look what the booklet for
CIELCh(17, 25.233, 73.904) contains.

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Color

CIELCh(17, 25.459, 73.111)

Conversions

Conversions Part 1

Format	Color
Hex	3C2501
RGB	60, 37, 1
RGB Percent	24%, 15%, 0%
CMY	0.7640, 0.8542, 0.9951
CMYK	0.00, 0.38, 0.98, 0.76
HSL	37°, 96%, 12%
HSV	37°, 98%, 24%
XYZ	2.5477, 2.3023, 0.3460
YIQ	39.7730, 25.2640, -6.3200

Conversions

Conversions Part 2

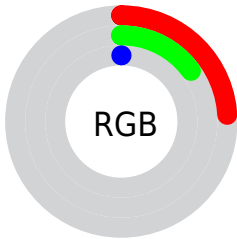
Format	Color
RYB	39, 60, 1
Decimal	3941633
CIELab	17.00, 7.40, 24.36
CIELCh	17, 25.459, 73.111
Yxy	2.3023, 0.4903, 0.4431
Android (android.graphics.Color)	4282131713 (0xFF3C2501)
YUV	39.7730, -19.1151, 17.7391
Hunter-Lab	15.1734, 3.4178, 9.2693

Details

The CIELCh color **17, 25.459, 73.111** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 26.815, 286.577**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 25.392, 73.418**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 25.834, 72.782**, and if you desaturate by 10%, it is **18, 23.664, 74.865**.

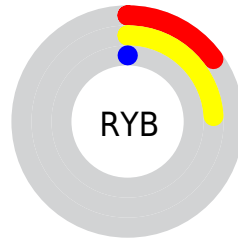
Distribution



Red (24%)

Green (15%)

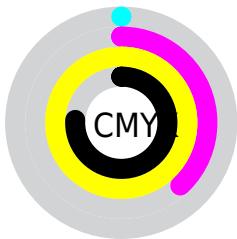
Blue (0%)



Red (15%)

Yellow (24%)

Blue (0%)

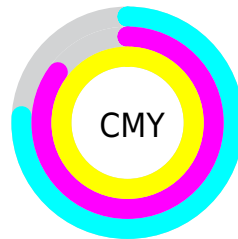


Cyan (0%)

Magenta (38%)

Yellow (98%)

Black (76%)



Cyan (76%)

Magenta (85%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 25.459, 73.111 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 17, 25.459, 73.111 by changing the saturation by 10% instead.

 17, 25.459, 73.111

 17, 25.459, 73.111

 100, 25.459,
73.111

 7, 25.459, 73.111

 0, 25.459, 73.111

 37, 25.459, 73.111

 47, 25.459, 73.111

 57, 25.459, 73.111

 67, 25.459, 73.111

 77, 25.459, 73.111

 87, 25.459, 73.111

 97, 25.459, 73.111

■ 17, 25.459, 73.111

■ 17, 25.459, 73.111

■ 17, 25.834, 72.782

■ 18, 23.664, 74.865

■ 19, 21.769, 76.783

■ 19, 19.153, 78.272

■ 20, 16.223, 79.545

■ 21, 13.292, 80.776

■ 22, 10.399, 81.975

■ 23, 7.563, 83.144

■ 24, 4.793, 84.280

■ 25, 2.090, 85.363

Harmonies

Complementary

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



17, 25.459, 73.111



9, 26.815, 286.577

Rectangle

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



17, 25.459, 73.111



17, 25.459, 123.111



17, 25.459, 253.111



17, 25.459, 303.111

Sweetspot

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



17, 25.459, 73.114



30, 9.892, 82.860



10, 29.573, 3.883



14, 6.865, 82.657



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



17, 25.459, 73.114



23, 33.906, 72.730



24, 33.534, 108.638



11, 1.487, 85.308



28, 39.526, 72.430



64, 74.485, 69.843

Inverse Universe

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



9, 26.815, 286.577



13, 34.533, 289.167



4, 40.899, 302.694



11, 1.481, 267.292



16, 40.041, 290.273



41, 81.030, 293.562

Previews

White Background



This preview shows how the CIELCh color 17, 25.459, 73.111 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 17, 25.459, 73.111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

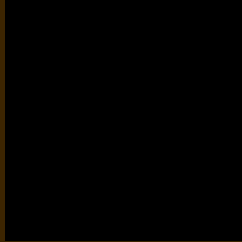
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 25.459, 73.111

Background



This preview shows how black text looks on a background with the CIELCh color 17, 25.459, 73.111.

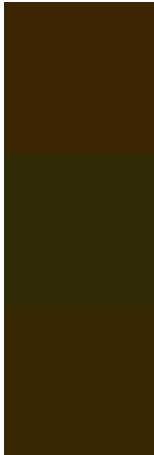


This preview shows how white text looks on a background with the CIELCh color 17, 25.459, 73.111.

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

17, 25.459, 73.111

Protanopia

17, 23.041, 97.567

Deuteranopia

17, 24.749, 85.430



Tritanopia
17, 13.846, 17.417

Trichromacy



Original Color

17, 25.459, 73.111

Protanomaly

17, 23.119, 88.859

Deuteranomaly

17, 24.959, 81.312

Tritanomaly

17, 16.552, 51.336

Monochromacy



Original Color

17, 25.459, 73.111

Achromatopsia

16, 0.003, 296.813

Achromatomaly

16, 10.072, 82.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 25.459, 73.111 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(60, 37, 1)` looks like.

```
.text, #text, p{  
    color:rgb(60, 37, 1)  
}
```

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(60, 37, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 37, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 25.459, 73.111 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(60, 37, 1) }
```

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

```
.border{ border-color:rgb(60, 37, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 37, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 37, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(60, 37, 1); box-shadow:4px  
4px 4px 4px rgb(60, 37, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 25.459, 73.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 37, 1) }
```

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

```
.background{ background-color: rgb(60, 37,  
1) }
```

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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