

Converting Colors

CIELCh(45, 74.979, 48.766)

Have a look what the booklet for
CIELCh(45, 74.979, 48.766) contains.

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Color

CIELCh(45, 75.136, 48.582)

Conversions

Conversions Part 1

Format	Color
Hex	BF3E00
RGB	191, 62, 0
RGB Percent	75%, 24%, 0%
CMY	0.2506, 0.7565, 0.9997
CMYK	0.00, 0.68, 1.00, 0.25
HSL	19°, 100%, 37%
HSV	19°, 100%, 75%
XYZ	23.2354, 14.5417, 1.5844
YIQ	93.5030, 96.7860, 8.0660

Conversions

Conversions Part 2

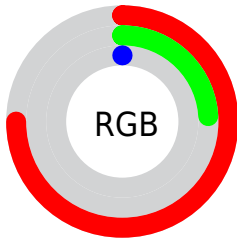
Format	Color
R_{YB}	191, 92, 0
Decimal	12533248
CIE _{Lab}	45.00, 49.71, 56.34
CIE _{LCh}	45, 75.136, 48.582
Yxy	14.5417, 0.5903, 0.3694
Android (android.graphics.Color)	4290723328 (0xFFBF3E00)
YUV	93.5030, -46.0970, 85.5049
Hunter-Lab	38.1336, 42.0290, 24.2301

Details

The CIELCh color **45, 75.136, 48.582** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **51, 41.112, 260.681**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 75.020, 48.555**, and **26, 61.701, 38.443** is the 20% darker color. If you saturate the color by 10%, you get **45, 75.162, 48.582**, and if you desaturate by 10%, it is **47, 68.536, 49.759**.

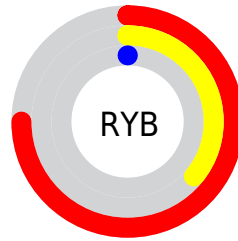
Distribution



Red (75%)

Green (24%)

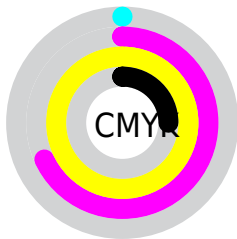
Blue (0%)



Red (75%)

Yellow (36%)

Blue (0%)

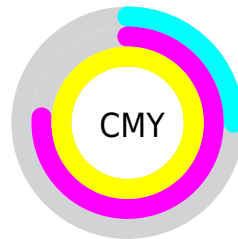


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (76%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 75.136, 48.582 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 45, 75.136, 48.582 by changing the saturation by 10% instead.

 45, 75.136, 48.582

 45, 75.136, 48.582

 100, 75.136,
48.582

 35, 75.136, 48.582

 65, 75.136, 48.582

 25, 75.136, 48.582

 75, 75.136, 48.582

 15, 75.136, 48.582

 85, 75.136, 48.582

 5, 75.136, 48.582

 95, 75.136, 48.582

 0, 75.136, 48.582

 45, 75.136, 48.582

 45, 75.136, 48.582

 45, 75.162, 48.582

 47, 68.536, 49.759

 50, 60.489, 50.459

■ 53, 51.716, 50.815

■ 56, 42.956, 51.118

■ 59, 34.547, 51.484

■ 62, 26.624, 51.947

■ 66, 19.224, 52.502

■ 70, 12.340, 53.131

■ 74, 5.936, 53.794

Harmonies

Complementary

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



45, 75.136, 48.582



51, 41.112, 260.681

Rectangle

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



45, 75.136, 48.582



45, 75.136, 98.582



45, 75.136, 228.582



45, 75.136, 278.582

Sweetspot

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



45, 75.133, 48.584



83, 23.786, 52.471



42, 73.499, 346.180



43, 16.625, 52.226



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



45, 75.133, 48.584



58, 91.779, 48.034



66, 69.298, 89.275



38, 3.336, 53.833



37, 64.984, 49.087



5, 10.257, 42.386

Inverse Universe

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



51, 41.112, 260.681



65, 50.378, 261.591



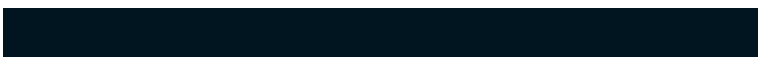
27, 96.015, 303.011



38, 3.184, 235.495



43, 35.458, 259.897



6, 9.825, 248.971

Previews

White Background



This preview shows how the CIELCh color 45, 75.136, 48.582 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 × Fail

Black Background



This preview shows how the CIELCh color 45, 75.136, 48.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 75.136, 48.582

Background



This preview shows how black text looks on a background with the CIELCh color 45, 75.136, 48.582.



This preview shows how white text looks on a background with the CIELCh color 45, 75.136, 48.582.

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

45, 75.136, 48.582

Protanopia

45, 46.936, 95.695

Deuteranopia

45, 52.467, 84.481



Tritanopia
45, 60.865, 28.791

Trichromacy



Original Color
45, 75.136, 48.582

Protanomaly
44, 51.415, 70.828

Deuteranomaly
44, 57.473, 66.395

Tritanomaly
45, 66.616, 38.681

Monochromacy



Original Color
45, 75.136, 48.582

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 27.062, 50.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 75.136, 48.582 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(191, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 62, 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(191, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 62, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 75.136, 48.582 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(191, 62, 0) }
```

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

```
.border{ border-color:rgb(191, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 62, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 75.136, 48.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 62, 0) }
```

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

```
.background{ background-color: rgb(191, 62,  
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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