

Converting Colors

CIELCh(44, 73.412, 45.829)

Have a look what the booklet for
CIELCh(44, 73.412, 45.829) contains.

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Color

CIELCh(44, 73.261, 45.710)

Conversions

Conversions Part 1

Format	Color
Hex	BD390B
RGB	189, 57, 11
RGB Percent	74%, 22%, 4%
CMY	0.2576, 0.7753, 0.9556
CMYK	0.00, 0.70, 0.94, 0.26
HSL	15°, 89%, 39%
HSV	15°, 94%, 74%
XYZ	22.6038, 13.8382, 1.8062
YIQ	91.2240, 93.4380, 13.6780

Conversions

Conversions Part 2

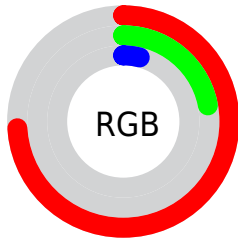
Format	Color
RYB	189, 73, 11
Decimal	12400907
CIELab	44.00, 51.16, 52.44
CIELCh	44, 73.261, 45.710
Yxy	13.8382, 0.5910, 0.3618
Android (android.graphics.Color)	4290590987 (0xFFBD390B)
YUV	91.2240, -39.5504, 85.7496
Hunter-Lab	37.1997, 43.3628, 23.1611

Details

The CIELCh color **44, 73.261, 45.710** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **56, 36.026, 245.334**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 73.392, 46.001**, and **25, 60.901, 38.314** is the 20% darker color. If you saturate the color by 10%, you get **43, 77.275, 45.527**, and if you desaturate by 10%, it is **46, 65.503, 45.933**.

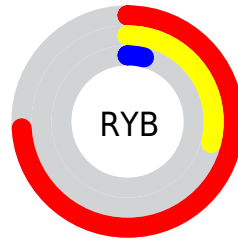
Distribution



Red (74%)

Green (22%)

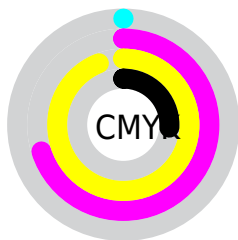
Blue (4%)



Red (74%)

Yellow (29%)

Blue (4%)

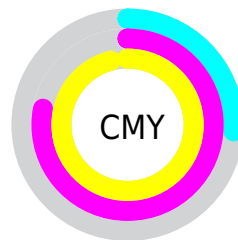


Cyan (0%)

Magenta (70%)

Yellow (94%)

Black (26%)



Cyan (26%)

Magenta (78%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 73.261, 45.710 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 44, 73.261, 45.710 by changing the saturation by 10% instead.

 44, 73.261, 45.710

 44, 73.261, 45.710

 100, 73.261,
45.710

 34, 73.261, 45.710

 64, 73.261, 45.710

 24, 73.261, 45.710

 74, 73.261, 45.710

 14, 73.261, 45.710

 84, 73.261, 45.710

 4, 73.261, 45.710

 94, 73.261, 45.710

 0, 73.261, 45.710

 44, 73.261, 45.710

 44, 73.261, 45.710

 43, 77.275, 45.527

 46, 65.503, 45.933

 49, 56.558, 45.665

■ 52, 47.434, 45.340

■ 56, 38.597, 45.129

■ 59, 30.246, 45.078

■ 63, 22.453, 45.182

■ 67, 15.226, 45.415

■ 71, 8.539, 45.740

■ 75, 2.353, 46.018

Harmonies

Complementary

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



44, 73.261, 45.710



56, 36.026, 245.334

Rectangle

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



44, 73.261, 45.710



44, 73.261, 95.710



44, 73.261, 225.710



44, 73.261, 275.710

Sweetspot

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



44, 73.258, 45.712



83, 22.453, 45.297



43, 75.868, 340.529



43, 15.906, 45.203



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



44, 73.258, 45.712



56, 95.031, 45.047



63, 65.720, 84.482



38, 3.381, 45.902



36, 67.286, 45.934



4, 10.512, 37.048

Inverse Universe

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



56, 36.026, 245.334



70, 45.395, 248.898



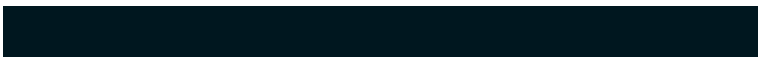
31, 82.945, 298.953



39, 3.204, 227.035



46, 32.197, 247.322



6, 9.506, 238.685

Previews

White Background



This preview shows how the CIELCh color 44, 73.261, 45.710 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 44, 73.261, 45.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

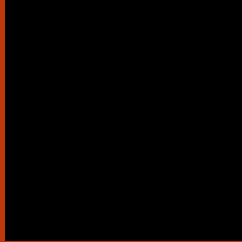
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 73.261, 45.710

Background



This preview shows how black text looks on a background with the CIELCh color 44, 73.261, 45.710.



This preview shows how white text looks on a background with the CIELCh color 44, 73.261, 45.710.

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

44, 73.261, 45.710

Protanopia

44, 44.362, 95.455

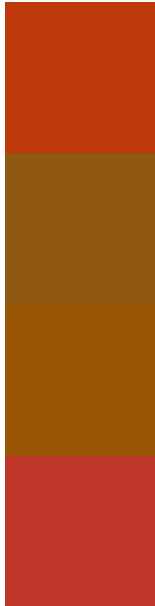
Deuteranopia

44, 51.665, 84.704



Tritanopia
44, 62.232, 29.880

Trichromacy



Original Color
44, 73.261, 45.710

Protanomaly
43, 49.110, 68.685

Deuteranomaly
43, 56.138, 64.826

Tritanomaly
44, 66.367, 37.118

Monochromacy



Original Color
44, 73.261, 45.710

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 25.563, 44.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 73.261, 45.710 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(189, 57, 11)` looks like.

```
.text, #text, p{  
    color:rgb(189, 57, 11)  
}
```

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(189, 57, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 57, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 73.261, 45.710 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(189, 57, 11) }
```

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

```
.border{ border-color:rgb(189, 57, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 57, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 57, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 57, 11);  
box-shadow:4px 4px 4px 4px rgb(189, 57,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 73.261, 45.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 57, 11) }
```

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

```
.background{ background-color: rgb(189, 57,  
11) }
```

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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