

Converting Colors

CIELCh(44, 76.166, 47.412)

Have a look what the booklet for
CIELCh(44, 76.166, 47.412) contains.

CIELCh(44, 75.837, 47.362)	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(44, 75.837, 47.362)

Conversions

Conversions Part 1

Format	Color
Hex	BE3900
RGB	190, 57, 0
RGB Percent	75%, 22%, 0%
CMY	0.2555, 0.7770, 1.0000
CMYK	0.00, 0.70, 1.00, 0.26
HSL	18°, 100%, 37%
HSV	18°, 100%, 74%
XYZ	22.6502, 13.8382, 1.4733
YIQ	90.2690, 97.5650, 10.4690

Conversions

Conversions Part 2

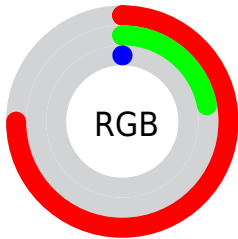
Format	Color
R_{YB}	190, 81, 0
Decimal	12466432
CIE _{Lab}	44.00, 51.37, 55.79
CIE _{LCh}	44, 75.837, 47.362
Yxy	13.8382, 0.5967, 0.3645
Android (android.graphics.Color)	4290656512 (0xFFBE3900)
YUV	90.2690, -44.5026, 87.4641
Hunter-Lab	37.1997, 43.5854, 23.6916

Details

The CIELCh color **44, 75.837, 47.362** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **52, 39.231, 256.139**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 75.660, 47.490**, and **25, 60.901, 38.314** is the 20% darker color. If you saturate the color by 10%, you get **44, 75.805, 47.342**, and if you desaturate by 10%, it is **46, 69.072, 48.221**.

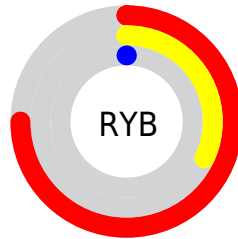
Distribution



Red (75%)

Green (22%)

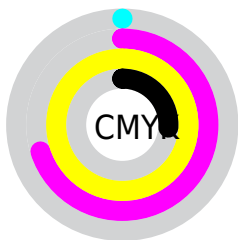
Blue (0%)



Red (75%)

Yellow (32%)

Blue (0%)

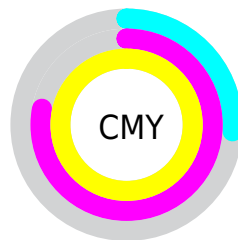


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (78%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 75.837, 47.362 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, 75.837, 47.362 by changing the saturation by 10% instead.

 44, 75.837, 47.362  44, 75.837, 47.362

 100, 75.837,
47.362  34, 75.837, 47.362

 64, 75.837, 47.362  24, 75.837, 47.362

 74, 75.837, 47.362  14, 75.837, 47.362

 84, 75.837, 47.362  4, 75.837, 47.362

 94, 75.837, 47.362  0, 75.837, 47.362

 44, 75.837, 47.362  44, 75.837, 47.362

 44, 75.805, 47.342  46, 69.072, 48.221

 49, 60.889, 48.650

■ 52, 52.001, 48.759

■ 55, 43.149, 48.846

■ 58, 34.668, 49.025

■ 62, 26.690, 49.323

■ 65, 19.255, 49.734

■ 69, 12.352, 50.234

■ 73, 5.947, 50.780

Harmonies

Complementary

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



44, 75.837, 47.362



52, 39.231, 256.139

Rectangle

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



44, 75.837, 47.362



44, 75.837, 97.362



44, 75.837, 227.362



44, 75.837, 277.362

Sweetspot

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



44, 75.805, 47.342



83, 23.917, 49.712



42, 74.717, 343.711



43, 16.726, 49.526



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, 75.805, 47.342



57, 93.038, 46.810



64, 67.952, 86.375



38, 3.345, 50.815



37, 65.869, 47.806



4, 10.343, 40.339

Inverse Universe

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



52, 39.231, 256.139



67, 48.235, 257.043



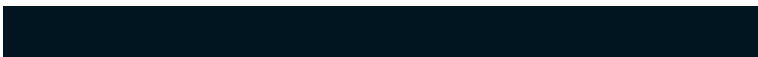
28, 92.175, 301.925



38, 3.183, 232.287



44, 34.045, 255.372



6, 9.672, 245.264

Previews

White Background



This preview shows how the CIELCh color 44, 75.837, 47.362 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, 75.837, 47.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

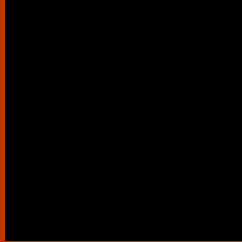
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 75.837, 47.362

Background



This preview shows how black text looks on a background with the CIELCh color 44, 75.837, 47.362.



This preview shows how white text looks on a background with the CIELCh color 44, 75.837, 47.362.

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, 75.837, 47.362

Protanopia

44, 45.427, 95.485

Deuteranopia

44, 51.665, 84.704



Tritanopia
44, 63.124, 30.131

Trichromacy



Original Color
44, 75.837, 47.362

Protanomaly
42, 50.860, 68.938

Deuteranomaly
43, 57.103, 65.355

Tritanomaly
44, 68.451, 38.649

Monochromacy



Original Color
44, 75.837, 47.362

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 27.419, 49.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 75.837, 47.362 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(190, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 57, 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(190, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 57, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 75.837, 47.362 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(190, 57, 0) }
```

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

```
.border{ border-color:rgb(190, 57, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 57, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 75.837, 47.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 57, 0) }
```

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

```
.background{ background-color: rgb(190, 57,  
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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