

Converting Colors

CIELCh(44, 77.215, 43.586)

Have a look what the booklet for
CIELCh(44, 77.215, 43.586) contains.

CIELCh(44, 77.348, 43.600)	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, 77.348, 43.600)

Conversions

Conversions Part 1

Format	Color
Hex	C3310A
RGB	195, 49, 10
RGB Percent	76%, 19%, 4%
CMY	0.2350, 0.8075, 0.9605
CMYK	0.00, 0.75, 0.95, 0.23
HSL	13°, 90%, 40%
HSV	13°, 95%, 77%
XYZ	23.6835, 13.8382, 1.7123
YIQ	88.2080, 99.5350, 18.8230

Conversions

Conversions Part 2

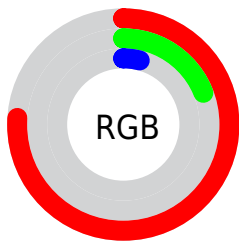
Format	Color
R_{YB}	195, 59, 10
Decimal	12792074
CIE _{Lab}	44.00, 56.01, 53.34
CIE _{LCh}	44, 77.348, 43.600
Yxy	13.8382, 0.6036, 0.3527
Android (android.graphics.Color)	4290982154 (0xFFC3310A)
YUV	88.2080, -38.5565, 93.6566
Hunter-Lab	37.1997, 48.5436, 23.3107

Details

The CIELCh color **44, 77.348, 43.600** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **60, 35.660, 236.077**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 75.670, 44.043**, and **26, 62.892, 38.624** is the 20% darker color. If you saturate the color by 10%, you get **43, 80.848, 43.750**, and if you desaturate by 10%, it is **46, 69.482, 43.314**.

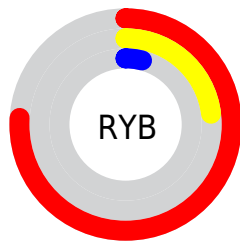
Distribution



Red (76%)

Green (19%)

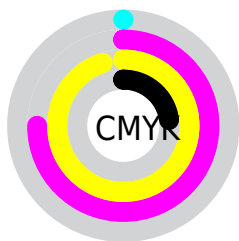
Blue (4%)



Red (76%)

Yellow (23%)

Blue (4%)

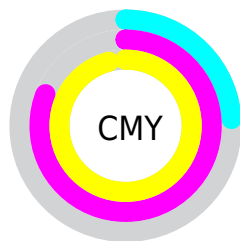


Cyan (0%)

Magenta (75%)

Yellow (95%)

Black (23%)



Cyan (24%)

Magenta (81%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 77.348, 43.600 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, 77.348, 43.600 by changing the saturation by 10% instead.

44, 77.348, 43.600

44, 77.348, 43.600

100, 77.348,
43.600

34, 77.348, 43.600

64, 77.348, 43.600

24, 77.348, 43.600

74, 77.348, 43.600

14, 77.348, 43.600

84, 77.348, 43.600

4, 77.348, 43.600

94, 77.348, 43.600

0, 77.348, 43.600

44, 77.348, 43.600

44, 77.348, 43.600

43, 80.848, 43.750

46, 69.482, 43.314

49, 60.186, 42.504

■ 52, 50.612, 41.677

■ 56, 41.292, 41.025

■ 60, 32.459, 40.592

■ 64, 24.206, 40.363

■ 68, 16.555, 40.303

■ 72, 9.489, 40.369

■ 77, 2.967, 40.443

Harmonies

Complementary

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



44, 77.348, 43.600



60, 35.660, 236.077

Rectangle

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



44, 77.348, 43.600



44, 77.348, 93.600



44, 77.348, 223.600



44, 77.348, 273.600

Sweetspot

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



44, 77.345, 43.602



84, 23.361, 40.308



45, 80.447, 337.648



43, 16.559, 40.338



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 77.345, 43.602



55, 98.662, 43.369



62, 66.438, 79.810



39, 3.528, 40.430



35, 69.636, 44.096



4, 12.349, 32.595

Inverse Universe

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



60, 35.660, 236.077



75, 43.988, 238.805



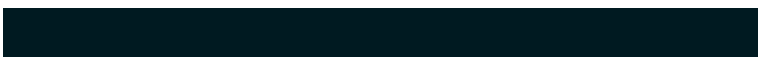
34, 79.839, 296.843



40, 3.332, 221.150



49, 31.249, 237.446



8, 10.359, 229.404

Previews

White Background



This preview shows how the CIELCh color 44, 77.348, 43.600 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, 77.348, 43.600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

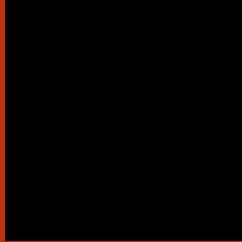
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 77.348, 43.600

Background



This preview shows how black text looks on a background with the CIELCh color 44, 77.348, 43.600.



This preview shows how white text looks on a background with the CIELCh color 44, 77.348, 43.600.

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, 77.348, 43.600

Protanopia

44, 43.990, 95.442

Deuteranopia

44, 51.665, 84.704



Tritanopia
44, 68.723, 32.172

Trichromacy



Original Color
44, 77.348, 43.600

Protanomaly
42, 49.560, 65.546

Deuteranomaly
43, 57.165, 62.462

Tritanomaly
44, 72.145, 37.247

Monochromacy



Original Color
44, 77.348, 43.600

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 27.596, 40.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 77.348, 43.600 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(195, 49, 10)` looks like.

```
.text, #text, p{  
    color:rgb(195, 49, 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(195, 49, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 49, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 77.348, 43.600 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(195, 49, 10) }
```

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

```
.border{ border-color:rgb(195, 49, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 49, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 49, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 49, 10);  
box-shadow:4px 4px 4px 4px rgb(195, 49,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 77.348, 43.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 49, 10) }
```

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

```
.background{ background-color: rgb(195, 49,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor