

Converting Colors

CIELCh(44, 88.899, 38.376)

Have a look what the booklet for
CIELCh(44, 88.899, 38.376) contains.

CIELCh(44, 88.717, 38.397)	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, 88.717, 38.397)

Conversions

Conversions Part 1

Format	Color
Hex	D3000A
RGB	211, 0, 10
RGB Percent	83%, 0%, 4%
CMY	0.1732, 1.0000, 0.9613
CMYK	0.00, 1.00, 0.95, 0.17
HSL	357°, 100%, 41%
HSV	357°, 100%, 83%
XYZ	26.8688, 13.8382, 1.5379
YIQ	64.2290, 122.5460, 47.8420

Conversions

Conversions Part 2

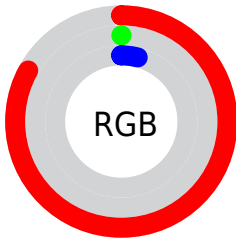
Format	Color
RYB	211, 0, 10
Decimal	13828106
CIELab	44.00, 69.53, 55.10
CIElCh	44, 88.717, 38.397
Yxy	13.8382, 0.6360, 0.3276
Android (android.graphics.Color)	4292018186 (0xFFD3000A)
YUV	64.2290, -26.7349, 128.7182
Hunter-Lab	37.1997, 63.8281, 23.5886

Details

The CIELCh color **44, 88.717, 38.397** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **77, 45.146, 189.408**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 79.929, 38.716**, and **30, 68.310, 39.289** is the 20% darker color. If you saturate the color by 10%, you get **44, 88.690, 38.416**, and if you desaturate by 10%, it is **45, 82.618, 35.143**.

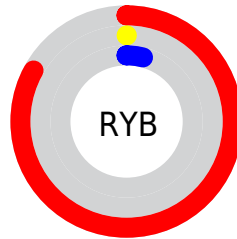
Distribution



Red (83%)

Green (0%)

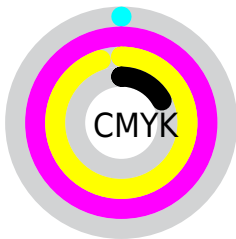
Blue (4%)



Red (83%)

Yellow (0%)

Blue (4%)

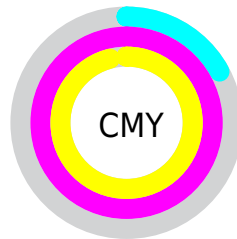


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (17%)



Cyan (17%)

Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 88.717, 38.397 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, 88.717, 38.397 by changing the saturation by 10% instead.

 44, 88.717, 38.397

 44, 88.717, 38.397

 100, 88.717,
38.397

 34, 88.717, 38.397

 64, 88.717, 38.397

 24, 88.717, 38.397

 74, 88.717, 38.397

 14, 88.717, 38.397

 84, 88.717, 38.397

 4, 88.717, 38.397

 94, 88.717, 38.397

 0, 88.717, 38.397

 44, 88.717, 38.397

 44, 88.717, 38.397

 44, 88.690, 38.416

 45, 82.618, 35.143

 47, 74.422, 31.098

■ 49, 65.111, 27.348

■ 53, 55.222, 24.230

■ 57, 45.131, 21.759

■ 62, 35.161, 19.835

■ 67, 25.553, 18.337

■ 73, 16.456, 17.158

■ 79, 7.936, 16.196

Harmonies

Complementary

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



44, 88.717, 38.397



77, 45.146, 189.408

Rectangle

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



44, 88.717, 38.397



44, 88.717, 88.397



44, 88.717, 218.397



44, 88.717, 268.397

Sweetspot

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



44, 88.690, 38.416



80, 29.849, 18.381



48, 100.392, 326.254



40, 20.648, 18.979



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, 88.690, 38.416



53, 102.793, 38.732



54, 75.733, 56.302



41, 4.463, 16.143



35, 74.529, 37.937



4, 20.021, 17.286

Inverse Universe

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



44, 88.690, 38.416



53, 102.793, 38.732



48, 56.991, 279.165



41, 4.463, 16.143



35, 74.529, 37.937



4, 20.021, 17.286

Previews

White Background



This preview shows how the CIELCh color 44, 88.717, 38.397 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, 88.717, 38.397 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, 88.717, 38.397

Background



This preview shows how black text looks on a background with the CIELCh color 44, 88.717, 38.397.



This preview shows how white text looks on a background with the CIELCh color 44, 88.717, 38.397.

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, 88.717, 38.397

Protanopia

45, 42.770, 96.166

Deuteranopia

45, 52.156, 84.336



Tritanopia
44, 88.584, 40.997

Trichromacy



Original Color
44, 88.717, 38.397

Protanomaly
39, 52.953, 52.019

Deuteranomaly
40, 62.725, 52.457

Tritanomaly
44, 88.694, 39.915

Monochromacy



Original Color
44, 88.717, 38.397

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 37.167, 25.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 88.717, 38.397 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(211, 0, 10)` looks like.

```
.text, #text, p{  
  color:rgb(211, 0, 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(211, 0, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 88.717, 38.397 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(211, 0, 10) }
```

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

```
.border{ border-color:rgb(211, 0, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 0, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(211, 0, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 88.717, 38.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 10) }
```

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

```
.background{ background-color: rgb(211, 0,  
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](#).

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