

Converting Colors

CIELCh(44, 89.981, 39.999)

Have a look what the booklet for
CIELCh(44, 89.981, 39.999) contains.

CIELCh(44, 89.868, 40.003)	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, 89.868, 40.003)

Conversions

Conversions Part 1

Format	Color
Hex	D20501
RGB	210, 5, 1
RGB Percent	82%, 2%, 0%
CMY	0.1756, 0.9816, 0.9954
CMYK	0.00, 0.98, 0.99, 0.18
HSL	1°, 99%, 41%
HSV	1°, 99%, 82%
XYZ	26.6996, 13.8382, 1.2972
YIQ	65.8390, 123.4640, 42.2160

Conversions

Conversions Part 2

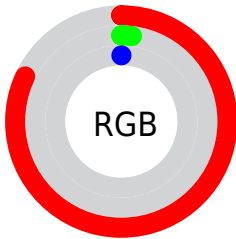
Format	Color
RYB	210, 5, 1
Decimal	13763841
CIELab	44.00, 68.84, 57.77
CIELCh	44, 89.868, 40.003
Yxy	13.8382, 0.6382, 0.3308
Android (android.graphics.Color)	4291953921 (0xFFD20501)
YUV	65.8390, -31.9656, 126.4292
Hunter-Lab	37.1997, 63.0165, 23.9723

Details

The CIELCh color **44, 89.868, 40.003** 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 **76, 42.269, 199.055**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 81.434, 40.663**, and **29, 67.930, 39.251** is the 20% darker color. If you saturate the color by 10%, you get **44, 90.180, 40.151**, and if you desaturate by 10%, it is **45, 83.936, 37.528**.

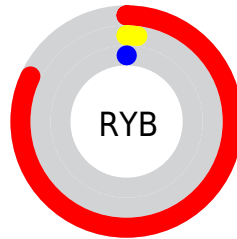
Distribution



Red (82%)

Green (2%)

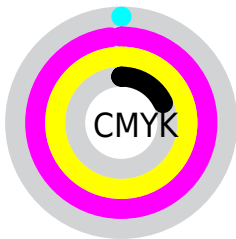
Blue (0%)



Red (82%)

Yellow (2%)

Blue (0%)

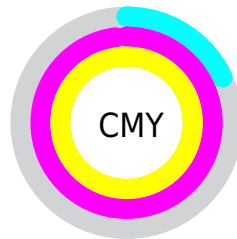


Cyan (0%)

Magenta (98%)

Yellow (99%)

Black (18%)



Cyan (18%)

Magenta (98%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 89.868, 40.003 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, 89.868, 40.003 by changing the saturation by 10% instead.

 44, 89.868, 40.003

 44, 89.868, 40.003

 100, 89.868,
40.003

 34, 89.868, 40.003

 64, 89.868, 40.003

 24, 89.868, 40.003

 74, 89.868, 40.003

 14, 89.868, 40.003

 84, 89.868, 40.003

 4, 89.868, 40.003

 94, 89.868, 40.003

 0, 89.868, 40.003

 44, 89.868, 40.003

 44, 89.868, 40.003

 44, 90.180, 40.151

 45, 83.936, 37.528

 47, 75.320, 34.266

- 50, 65.364, 31.019
- 53, 54.939, 28.258
- 58, 44.504, 26.064
- 62, 34.368, 24.372
- 68, 24.735, 23.081
- 73, 15.712, 22.091
- 79, 7.335, 21.305

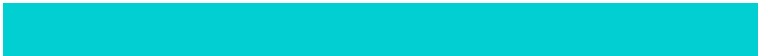
Harmonies

Complementary

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



44, 89.868, 40.003



76, 42.269, 199.055

Rectangle

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



44, 89.868, 40.003



44, 89.868, 90.003



44, 89.868, 220.003



44, 89.868, 270.003

Sweetspot

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



44, 89.865, 40.005



80, 29.573, 23.182



50, 98.505, 328.904



40, 20.499, 23.702



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, 89.865, 40.005



53, 104.373, 40.118



57, 73.065, 61.770



41, 4.386, 21.302



35, 76.222, 40.076



4, 19.811, 20.284

Inverse Universe

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



76, 42.269, 199.055



90, 48.913, 199.096



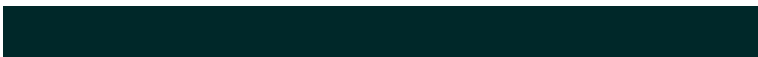
45, 64.733, 285.845



43, 4.132, 200.458



62, 35.854, 199.024



14, 13.772, 198.502

Previews

White Background



This preview shows how the CIELCh color 44, 89.868, 40.003 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, 89.868, 40.003 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, 89.868, 40.003

Background



This preview shows how black text looks on a background with the CIELCh color 44, 89.868, 40.003.



This preview shows how white text looks on a background with the CIELCh color 44, 89.868, 40.003.

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, 89.806, 40.046

Protanopia

45, 43.635, 95.489

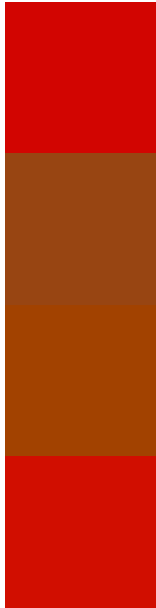
Deuteranopia

45, 52.156, 84.336



Tritanopia
44, 88.679, 40.928

Trichromacy



Original Color
44, 89.806, 40.046

Protanomaly
40, 54.336, 54.019

Deuteranomaly
41, 63.295, 54.028

Tritanomaly
44, 89.103, 40.625

Monochromacy



Original Color
44, 89.806, 40.046

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 37.072, 29.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 89.868, 40.003 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(210, 5, 1)` looks like.

```
.text, #text, p{  
    color:rgb(210, 5, 1)  
}
```

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(210, 5, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 5, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 89.868, 40.003 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(210, 5, 1) }
```

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

```
.border{ border-color:rgb(210, 5, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 5, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 5, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(210, 5, 1); box-shadow:4px  
4px 4px 4px rgb(210, 5, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 89.868, 40.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 5, 1) }
```

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

```
.background{ background-color: rgb(210, 5,  
1) }
```

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