

Converting Colors

CIELCh(44, 89.643, 40.471)

Have a look what the booklet for
CIELCh(44, 89.643, 40.471) contains.

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Color

CIELCh(44, 89.706, 40.427)

Conversions

Conversions Part 1

Format	Color
Hex	D20900
RGB	210, 9, 0
RGB Percent	82%, 4%, 0%
CMY	0.1780, 0.9649, 1.0000
CMYK	0.00, 0.96, 1.00, 0.18
HSL	3°, 100%, 41%
HSV	3°, 100%, 82%
XYZ	26.5647, 13.8382, 1.2632
YIQ	68.0730, 122.6850, 39.8130

Conversions

Conversions Part 2

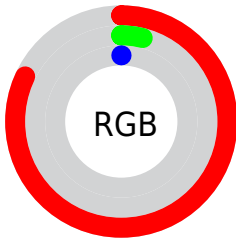
Format	Color
RYB	210, 9, 0
Decimal	13764864
CIELab	44.00, 68.29, 58.17
CIELCh	44, 89.706, 40.427
Yxy	13.8382, 0.6376, 0.3321
Android (android.graphics.Color)	4291954944 (0xFFD20900)
YUV	68.0730, -33.5600, 124.4700
Hunter-Lab	37.1997, 62.3689, 24.0265

Details

The CIELCh color **44, 89.706, 40.427** 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 **74, 40.789, 203.455**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 81.227, 40.924**, and **29, 67.930, 39.251** is the 20% darker color. If you saturate the color by 10%, you get **44, 89.646, 40.384**, and if you desaturate by 10%, it is **45, 83.583, 38.174**.

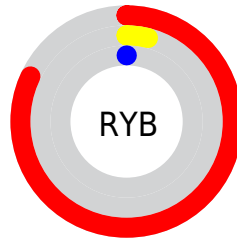
Distribution



Red (82%)

Green (4%)

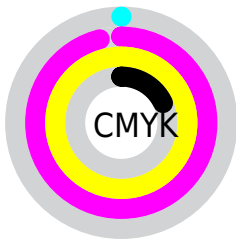
Blue (0%)



Red (82%)

Yellow (4%)

Blue (0%)

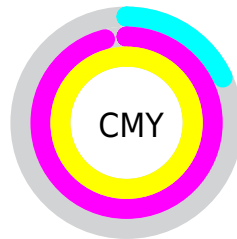


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (96%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 89.706, 40.427 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, 89.706, 40.427 by changing the saturation by 10% instead.

 44, 89.706, 40.427

 44, 89.706, 40.427

 100, 89.706,
40.427

 34, 89.706, 40.427

 64, 89.706, 40.427

 24, 89.706, 40.427

 74, 89.706, 40.427

 14, 89.706, 40.427

 84, 89.706, 40.427

 4, 89.706, 40.427

 94, 89.706, 40.427

 0, 89.706, 40.427

 44, 89.706, 40.427

 44, 89.706, 40.427

 44, 89.646, 40.384

 45, 83.583, 38.174

 47, 74.873, 35.291

■ 50, 64.846, 32.357

■ 53, 54.424, 29.839

■ 58, 44.070, 27.833

■ 62, 34.072, 26.289

■ 68, 24.608, 25.117

■ 73, 15.767, 24.230

■ 78, 7.571, 23.537

Harmonies

Complementary

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



44, 89.706, 40.427



74, 40.789, 203.455

Rectangle

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



44, 89.706, 40.427



44, 89.706, 90.427



44, 89.706, 220.427



44, 89.706, 270.427

Sweetspot

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



44, 89.646, 40.384



81, 28.888, 25.152



49, 97.097, 329.614



40, 20.034, 25.616



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, 89.646, 40.384



53, 104.066, 40.300



57, 72.716, 63.068



41, 4.277, 23.499



35, 75.870, 40.401



5, 19.500, 21.574

Inverse Universe

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



74, 40.789, 203.455



88, 47.258, 203.540



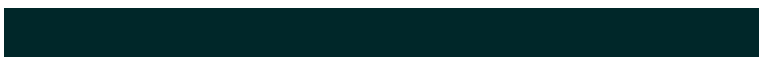
43, 67.124, 287.564



43, 4.027, 202.831



60, 34.668, 203.341



13, 13.395, 201.923

Previews

White Background



This preview shows how the CIELCh color 44, 89.706, 40.427 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, 89.706, 40.427 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, 89.706, 40.427

Background



This preview shows how black text looks on a background with the CIELCh color 44, 89.706, 40.427.



This preview shows how white text looks on a background with the CIELCh color 44, 89.706, 40.427.

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, 89.768, 40.384

Protanopia

45, 43.635, 95.489

Tritanopia

44, 88.347, 40.938

Trichromacy



Original Color
44, 89.768, 40.384

Protanomaly
40, 54.293, 55.392

Tritanomaly
44, 89.026, 40.680

Monochromacy



Original Color
44, 89.768, 40.384

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 36.333, 30.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 89.706, 40.427 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, 9, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 9, 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(210, 9, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 9, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 89.706, 40.427 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, 9, 0) }
```

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

```
.border{ border-color:rgb(210, 9, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 9, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 9, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(210, 9, 0); box-shadow:4px  
4px 4px 4px rgb(210, 9, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 89.706, 40.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 9, 0) }
```

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

```
.background{ background-color: rgb(210, 9,  
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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