

Converting Colors

CIELCh(44, 90.156, 39.433)

Have a look what the booklet for
CIELCh(44, 90.156, 39.433) contains.

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Color

CIELCh(44, 90.034, 39.503)

Conversions

Conversions Part 1

Format	Color
Hex	D30003
RGB	211, 0, 3
RGB Percent	83%, 0%, 1%
CMY	0.1729, 1.0000, 0.9885
CMYK	0.00, 1.00, 0.99, 0.17
HSL	359°, 100%, 41%
HSV	359°, 100%, 83%
XYZ	26.8539, 13.8382, 1.3400
YIQ	63.4310, 124.7930, 45.6650

Conversions

Conversions Part 2

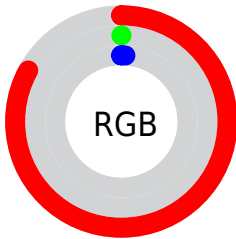
Format	Color
RYB	211, 0, 3
Decimal	13828099
CIELab	44.00, 69.47, 57.27
CIELCh	44, 90.034, 39.503
Yxy	13.8382, 0.6389, 0.3292
Android (android.graphics.Color)	4292018179 (0xFFD30003)
YUV	63.4310, -29.7925, 129.4180
Hunter-Lab	37.1997, 63.7569, 23.9040

Details

The CIELCh color **44, 90.034, 39.503** 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, 43.886, 194.252**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 81.355, 40.135**, and **30, 68.310, 39.289** is the 20% darker color. If you saturate the color by 10%, you get **44, 90.019, 39.513**, and if you desaturate by 10%, it is **45, 84.243, 36.795**.

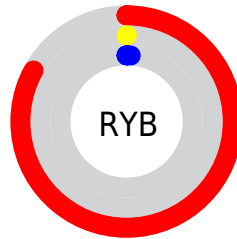
Distribution



Red (83%)

Green (0%)

Blue (1%)



Red (83%)

Yellow (0%)

Blue (1%)

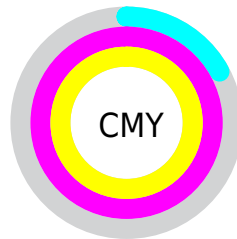


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (17%)



Cyan (17%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 90.034, 39.503 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, 90.034, 39.503 by changing the saturation by 10% instead.

 44, 90.034, 39.503

 44, 90.034, 39.503

 100, 90.034,
39.503

 34, 90.034, 39.503

 64, 90.034, 39.503

 24, 90.034, 39.503

 74, 90.034, 39.503

 14, 90.034, 39.503

 84, 90.034, 39.503

 4, 90.034, 39.503

 94, 90.034, 39.503

 0, 90.034, 39.503

 44, 90.034, 39.503

 44, 90.034, 39.503

 44, 90.019, 39.513

 45, 84.243, 36.795

 47, 75.902, 33.137

■ 49, 66.220, 29.564

■ 53, 55.968, 26.542

■ 57, 45.587, 24.140

■ 62, 35.407, 22.281

■ 67, 25.661, 20.849

■ 73, 16.484, 19.739

■ 79, 7.932, 18.848

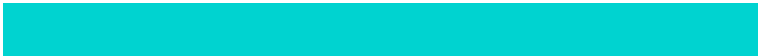
Harmonies

Complementary

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



44, 90.034, 39.503



77, 43.886, 194.252

Rectangle

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



44, 90.034, 39.503



44, 90.034, 89.503



44, 90.034, 219.503



44, 90.034, 269.503

Sweetspot

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



44, 90.019, 39.513



80, 29.968, 20.890



50, 100.223, 327.569



40, 20.755, 21.460



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, 90.019, 39.513



53, 104.022, 39.615



55, 74.550, 58.878



41, 4.459, 18.799



35, 75.872, 39.299



4, 20.016, 18.817

Inverse Universe

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



44, 90.019, 39.513



53, 104.022, 39.615



46, 61.045, 282.824



41, 4.459, 18.799



35, 75.872, 39.299



4, 20.016, 18.817

Previews

White Background



This preview shows how the CIELCh color 44, 90.034, 39.503 looks on a white background.

Color Contrast Check

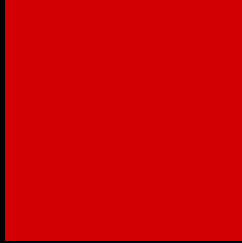
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.034, 39.503 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, 90.034, 39.503

Background



This preview shows how black text looks on a background with the CIELCh color 44, 90.034, 39.503.



This preview shows how white text looks on a background with the CIELCh color 44, 90.034, 39.503.

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, 90.034, 39.503

Protanopia

45, 43.577, 96.188

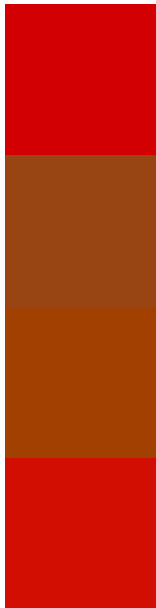
Deuteranopia

45, 52.156, 84.336



Tritanopia
44, 88.584, 40.997

Trichromacy



Original Color
44, 90.034, 39.503

Protanomaly
39, 54.211, 53.198

Deuteranomaly
40, 63.459, 53.015

Tritanomaly
44, 89.297, 40.401

Monochromacy



Original Color
44, 90.034, 39.503

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 38.136, 27.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 90.034, 39.503 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 90.034, 39.503 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, 3) }
```

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

```
.border{ border-color:rgb(211, 0, 3) }
```

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, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(211, 0, 3); box-shadow:4px  
4px 4px 4px rgb(211, 0, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 90.034, 39.503 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, 3) }
```

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

```
.background{ background-color: rgb(211, 0,  
3) }
```

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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