

Converting Colors

CIELCh(44, 85.677, 35.355)

Have a look what the booklet for
CIELCh(44, 85.677, 35.355) contains.

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Color

CIELCh(44, 85.659, 35.538)

Conversions

Conversions Part 1

Format	Color
Hex	D30018
RGB	211, 0, 24
RGB Percent	83%, 0%, 9%
CMY	0.1740, 1.0000, 0.9069
CMYK	0.00, 1.00, 0.89, 0.17
HSL	353°, 100%, 41%
HSV	353°, 100%, 83%
XYZ	26.9114, 13.8382, 2.1029
YIQ	65.8250, 118.0520, 52.1960

Conversions

Conversions Part 2

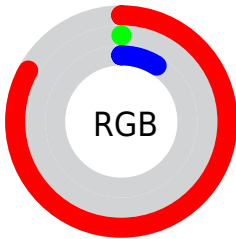
Format	Color
RYB	211, 0, 24
Decimal	13828120
CIELab	44.00, 69.70, 49.79
CIELCh	44, 85.659, 35.538
Yxy	13.8382, 0.6280, 0.3229
Android (android.graphics.Color)	4292018200 (0xFFD30018)
YUV	65.8250, -20.6197, 127.3185
Hunter-Lab	37.1997, 64.0327, 22.6882

Details

The CIELCh color **44, 85.659, 35.538** 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, 48.407, 180.546**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 76.882, 35.244**, and **30, 68.310, 39.289** is the 20% darker color. If you saturate the color by 10%, you get **44, 85.597, 35.587**, and if you desaturate by 10%, it is **45, 79.239, 31.148**.

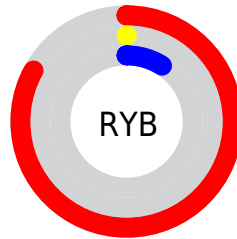
Distribution



Red (83%)

Green (0%)

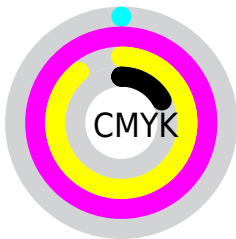
Blue (9%)



Red (83%)

Yellow (0%)

Blue (9%)

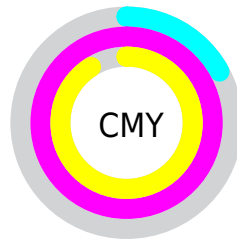


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (17%)



Cyan (17%)

Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 85.659, 35.538 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, 85.659, 35.538 by changing the saturation by 10% instead.

 44, 85.659, 35.538

 44, 85.659, 35.538

 100, 85.659,
35.538

 34, 85.659, 35.538

 64, 85.659, 35.538

 24, 85.659, 35.538

 74, 85.659, 35.538

 14, 85.659, 35.538

 84, 85.659, 35.538

 4, 85.659, 35.538

 94, 85.659, 35.538

 0, 85.659, 35.538

 44, 85.659, 35.538

 44, 85.659, 35.538

 44, 85.597, 35.587

 45, 79.239, 31.148

 47, 71.701, 26.582

■ 49, 63.213, 22.614

■ 53, 54.034, 19.390

■ 57, 44.480, 16.842

■ 62, 34.877, 14.841

■ 67, 25.493, 13.254

■ 73, 16.502, 11.976

■ 79, 7.995, 10.908

Harmonies

Complementary

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



44, 85.659, 35.538



76, 48.407, 180.546

Rectangle

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



44, 85.659, 35.538



44, 85.659, 85.538



44, 85.659, 215.538



44, 85.659, 265.538

Sweetspot

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



44, 85.597, 35.587



80, 29.797, 13.301



46, 100.904, 323.691



40, 20.564, 13.939



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, 85.597, 35.587



53, 99.454, 36.090



51, 78.426, 51.722



41, 4.501, 10.848



35, 71.810, 34.833



4, 20.070, 14.221

Inverse Universe

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



44, 85.597, 35.587



53, 99.454, 36.090



53, 49.665, 270.466



41, 4.501, 10.848



35, 71.810, 34.833



4, 20.070, 14.221

Previews

White Background



This preview shows how the CIELCh color 44, 85.659, 35.538 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, 85.659, 35.538 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, 85.659, 35.538

Background



This preview shows how black text looks on a background with the CIELCh color 44, 85.659, 35.538.



This preview shows how white text looks on a background with the CIELCh color 44, 85.659, 35.538.

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, 85.659, 35.538

Protanopia

45, 37.363, 95.892

Deuteranopia

45, 52.156, 84.336



Tritanopia
44, 88.679, 40.928

Trichromacy



Original Color
44, 85.659, 35.538

Protanomaly
39, 48.825, 47.419

Deuteranomaly
40, 61.582, 51.546

Tritanomaly
44, 87.827, 39.081

Monochromacy



Original Color
44, 85.659, 35.538

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 36.561, 19.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 85.659, 35.538 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 85.659, 35.538 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, 24) }
```

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

```
.border{ border-color:rgb(211, 0, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(211, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 85.659, 35.538 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, 24) }
```

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

```
.background{ background-color: rgb(211, 0,  
24) }
```

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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