

Converting Colors

CIELCh(43, 80.304, 36.844)

Have a look what the booklet for
CIELCh(43, 80.304, 36.844) contains.

CIELCh(43, 80.185, 36.813)	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(43, 80.185, 36.813)

Conversions

Conversions Part 1

Format	Color
Hex	C91918
RGB	201, 25, 24
RGB Percent	79%, 10%, 9%
CMY	0.2122, 0.9025, 0.9062
CMYK	0.00, 0.88, 0.88, 0.21
HSL	0°, 79%, 44%
HSV	0°, 88%, 79%
XYZ	24.5687, 13.1578, 2.1049
YIQ	77.5100, 105.2170, 37.0010

Conversions

Conversions Part 2

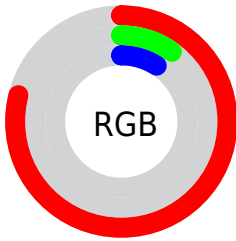
Format	Color
R_{YB}	201, 25, 24
Decimal	13179160
CIE Lab	43.00, 64.20, 48.05
CIE LCh	43, 80.185, 36.813
Yxy	13.1578, 0.6168, 0.3303
Android (android.graphics.Color)	4291369240 (0xFFC91918)
YUV	77.5100, -26.3804, 108.3007
Hunter-Lab	36.2736, 57.4218, 21.9510

Details

The CIELCh color **43, 80.185, 36.813** 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 **73, 40.738, 197.186**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 75.751, 36.630**, and **28, 64.854, 38.894** is the 20% darker color. If you saturate the color by 10%, you get **42, 86.218, 39.531**, and if you desaturate by 10%, it is **45, 71.683, 33.350**.

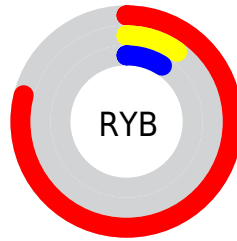
Distribution



Red (79%)

Green (10%)

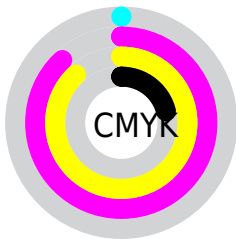
Blue (9%)



Red (79%)

Yellow (10%)

Blue (9%)

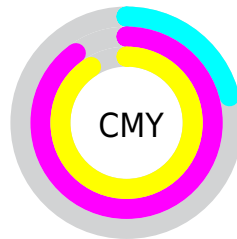


Cyan (0%)

Magenta (88%)

Yellow (88%)

Black (21%)



Cyan (21%)

Magenta (90%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 80.185, 36.813 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 43, 80.185, 36.813 by changing the saturation by 10% instead.

 43, 80.185, 36.813

 43, 80.185, 36.813

 100, 80.185,
36.813

 33, 80.185, 36.813

 63, 80.185, 36.813

 23, 80.185, 36.813

 73, 80.185, 36.813

 13, 80.185, 36.813

 83, 80.185, 36.813

 3, 80.185, 36.813

 93, 80.185, 36.813

 0, 80.185, 36.813

 43, 80.185, 36.813

 43, 80.185, 36.813

 42, 86.218, 39.531

 45, 71.683, 33.350

 42, 87.310, 40.050

 48, 62.039, 30.028

■ 51, 51.978, 27.246

■ 56, 41.916, 25.049

■ 60, 32.146, 23.356

■ 65, 22.862, 22.060

■ 71, 14.166, 21.060

■ 76, 6.091, 20.251

■ 82, 1.381, 200.156

Harmonies

Complementary

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



43, 80.185, 36.813



73, 40.738, 197.186

Rectangle

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



43, 80.185, 36.813



43, 80.185, 86.813



43, 80.185, 216.813



43, 80.185, 266.813

Sweetspot

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



43, 80.182, 36.815



83, 25.513, 21.869



49, 93.814, 328.135



42, 17.525, 22.267



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43, 80.182, 36.815



53, 104.512, 40.037



56, 65.353, 63.353



39, 4.256, 20.351



34, 74.571, 39.847



3, 15.831, 19.681

Inverse Universe

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



73, 40.738, 197.186



91, 49.727, 197.224



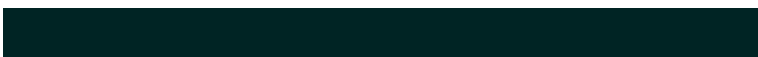
47, 53.473, 279.013



41, 4.012, 199.440



60, 35.618, 197.200



12, 12.907, 197.019

Previews

White Background



This preview shows how the CIELCh color 43, 80.185, 36.813 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 43, 80.185, 36.813 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 43, 80.185, 36.813

Background



This preview shows how black text looks on a background with the CIELCh color 43, 80.185, 36.813.



This preview shows how white text looks on a background with the CIELCh color 43, 80.185, 36.813.

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

43, 80.185, 36.813

Protanopia

44, 35.991, 95.554

Deuteranopia

43, 51.039, 84.409



Tritanopia
43, 80.943, 37.583

Trichromacy



Original Color
43, 80.185, 36.813

Protanomaly
40, 45.047, 53.570

Deuteranomaly
41, 57.886, 56.032

Tritanomaly
43, 80.693, 37.334

Monochromacy



Original Color
43, 80.185, 36.813

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 30.753, 25.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 80.185, 36.813 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(201, 25, 24)` looks like.

```
.text, #text, p{  
    color:rgb(201, 25, 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(201, 25, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 25, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 80.185, 36.813 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(201, 25, 24) }
```

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

```
.border{ border-color:rgb(201, 25, 24) }
```

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

Here you see how a box with a 4 pixel rgb(201, 25, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 25, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 25, 24);  
box-shadow:4px 4px 4px 4px rgb(201, 25,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 80.185, 36.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 25, 24) }
```

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

```
.background{ background-color: rgb(201, 25,  
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](#).

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