

Converting Colors

CIELCh(44, 84.422, 37.754)

Have a look what the booklet for
CIELCh(44, 84.422, 37.754) contains.

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Color

CIELCh(44, 84.194, 37.638)

Conversions

Conversions Part 1

Format	Color
Hex	CF1413
RGB	207, 20, 19
RGB Percent	81%, 8%, 7%
CMY	0.1871, 0.9233, 0.9246
CMYK	0.00, 0.91, 0.91, 0.19
HSL	0°, 83%, 44%
HSV	0°, 91%, 81%
XYZ	26.1729, 13.8382, 1.9174
YIQ	75.7990, 111.7730, 39.3330

Conversions

Conversions Part 2

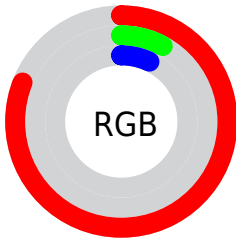
Format	Color
RYB	207, 20, 19
Decimal	13571091
CIELab	44.00, 66.67, 51.41
CIElCh	44, 84.194, 37.638
Yxy	13.8382, 0.6242, 0.3300
Android (android.graphics.Color)	4291761171 (0xFFCF1413)
YUV	75.7990, -28.0019, 115.0633
Hunter-Lab	37.1997, 60.4888, 22.9838

Details

The CIELCh color **44, 84.194, 37.638** 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, 42.169, 196.691**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 76.865, 37.934**, and **29, 67.168, 39.169** is the 20% darker color. If you saturate the color by 10%, you get **43, 89.428, 40.017**, and if you desaturate by 10%, it is **46, 76.081, 34.239**.

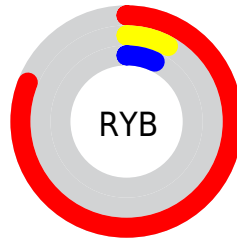
Distribution



Red (81%)

Green (8%)

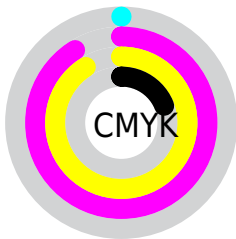
Blue (7%)



Red (81%)

Yellow (8%)

Blue (7%)

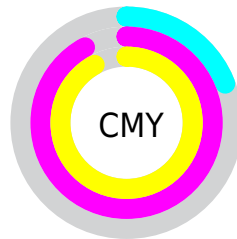


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (19%)



Cyan (19%)

Magenta (92%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 84.194, 37.638 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, 84.194, 37.638 by changing the saturation by 10% instead.

 44, 84.194, 37.638

 44, 84.194, 37.638

 100, 84.194,
37.638

 34, 84.194, 37.638

 64, 84.194, 37.638

 24, 84.194, 37.638

 74, 84.194, 37.638

 14, 84.194, 37.638

 84, 84.194, 37.638

 4, 84.194, 37.638

 94, 84.194, 37.638

 0, 84.194, 37.638

 44, 84.194, 37.638

 44, 84.194, 37.638

 43, 89.428, 40.017

 46, 76.081, 34.239

 48, 66.440, 30.763

■ 52, 56.197, 27.774

■ 56, 45.836, 25.388

■ 61, 35.692, 23.542

■ 66, 25.997, 22.128

■ 71, 16.882, 21.040

■ 77, 8.401, 20.180

■ 83, 0.550, 18.576

Harmonies

Complementary

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



44, 84.194, 37.638



76, 42.169, 196.691

Rectangle

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



44, 84.194, 37.638



44, 84.194, 87.638



44, 84.194, 217.638



44, 84.194, 267.638

Sweetspot

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



44, 84.191, 37.640



82, 26.683, 21.726



50, 96.933, 328.166



41, 18.213, 22.134



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, 84.191, 37.640



53, 104.553, 40.013



57, 68.553, 62.703



41, 4.451, 20.077



35, 76.429, 39.887



4, 19.995, 19.556

Inverse Universe

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



76, 42.169, 196.691



91, 49.978, 196.678



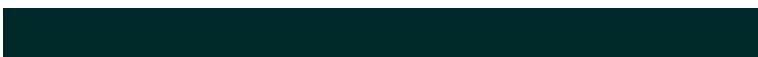
48, 56.460, 280.286



43, 4.195, 199.137



62, 36.615, 196.671



14, 14.008, 196.616

Previews

White Background



This preview shows how the CIELCh color 44, 84.194, 37.638 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, 84.194, 37.638 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, 84.194, 37.638

Background



This preview shows how black text looks on a background with the CIELCh color 44, 84.194, 37.638.



This preview shows how white text looks on a background with the CIELCh color 44, 84.194, 37.638.

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, 84.101, 37.717

Protanopia

45, 39.274, 95.962

Deuteranopia

44, 51.845, 84.188



Tritanopia
44, 85.790, 39.252

Trichromacy



Original Color
44, 84.101, 37.717

Protanomaly
41, 48.212, 54.088

Deuteranomaly
41, 59.884, 55.462

Tritanomaly
44, 85.203, 38.732

Monochromacy



Original Color
44, 84.101, 37.717

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 33.337, 25.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 84.194, 37.638 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(207, 20, 19)` looks like.

```
.text, #text, p{  
    color:rgb(207, 20, 19)  
}
```

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(207, 20, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 20, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 84.194, 37.638 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(207, 20, 19) }
```

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

```
.border{ border-color:rgb(207, 20, 19) }
```

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

Here you see how a box with a 4 pixel rgb(207, 20, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 20, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 20, 19);  
box-shadow:4px 4px 4px 4px rgb(207, 20,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 84.194, 37.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 20, 19) }
```

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

```
.background{ background-color: rgb(207, 20,  
19) }
```

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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