

Converting Colors

CIELCh(50, 87.075, 41.836)

Have a look what the booklet for
CIELCh(50, 87.075, 41.836) contains.

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Color

CIELCh(50, 87.084, 41.857)

Conversions

Conversions Part 1

Format	Color
Hex	E13210
RGB	225, 50, 16
RGB Percent	88%, 20%, 6%
CMY	0.1162, 0.8024, 0.9359
CMYK	0.00, 0.78, 0.93, 0.12
HSL	10°, 86%, 47%
HSV	10°, 93%, 88%
XYZ	32.4182, 18.4187, 2.3500
YIQ	98.4490, 115.2140, 26.5260

Conversions

Conversions Part 2

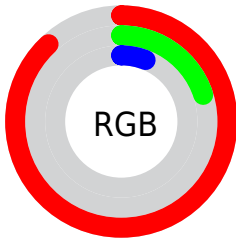
Format	Color
R_{YB}	225, 57, 16
Decimal	14758416
CIE _{Lab}	50.00, 64.86, 58.11
CIE _{LCh}	50, 87.084, 41.857
Yxy	18.4187, 0.6095, 0.3463
Android (android.graphics.Color)	4292948496 (0xFFE13210)
YUV	98.4490, -40.6474, 110.9852
Hunter-Lab	42.9170, 59.7288, 26.7953

Details

The CIELCh color **50, 87.084, 41.857** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **72, 39.274, 225.671**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 72.829, 44.034**, and **33, 73.493, 39.709** is the 20% darker color. If you saturate the color by 10%, you get **49, 92.053, 42.207**, and if you desaturate by 10%, it is **52, 77.932, 40.820**.

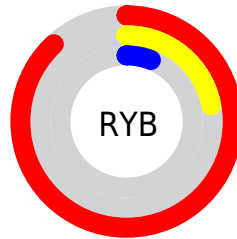
Distribution



Red (88%)

Green (20%)

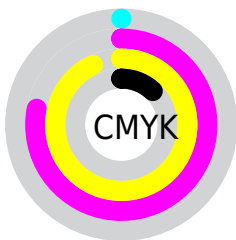
Blue (6%)



Red (88%)

Yellow (22%)

Blue (6%)

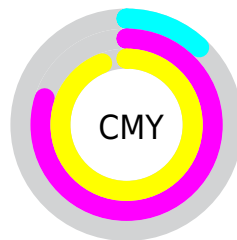


Cyan (0%)

Magenta (78%)

Yellow (93%)

Black (12%)



Cyan (12%)

Magenta (80%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 87.084, 41.857 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 50, 87.084, 41.857 by changing the saturation by 10% instead.

■ 50, 87.084, 41.857

■ 50, 87.084, 41.857

■ 100, 87.084,
41.857

■ 40, 87.084, 41.857

■ 70, 87.084, 41.857

■ 30, 87.084, 41.857

■ 80, 87.084, 41.857

■ 20, 87.084, 41.857

■ 90, 87.084, 41.857

■ 10, 87.084, 41.857

■ 0, 87.084, 41.857

■ 50, 87.084, 41.857

■ 50, 87.084, 41.857

■ 49, 92.053, 42.207

■ 52, 77.932, 40.820

■ 55, 67.274, 39.383

■ 59, 56.347, 38.051

63, 45.707, 36.989

68, 35.613, 36.216

73, 26.178, 35.697

78, 17.436, 35.381

83, 9.370, 35.212

88, 1.939, 34.951

Harmonies

Complementary

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



50, 87.084, 41.857



72, 39.274, 225.671

Rectangle

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



50, 87.084, 41.857



50, 87.084, 91.857



50, 87.084, 221.857



50, 87.084, 271.857

Sweetspot

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



50, 87.081, 41.859



84, 24.271, 35.531



52, 92.845, 334.815



42, 17.064, 35.688



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 87.081, 41.859



55, 101.261, 42.074



68, 73.080, 75.522



44, 4.101, 35.171



38, 76.139, 42.543



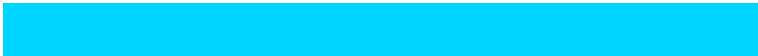
7, 22.869, 29.865

Inverse Universe

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



72, 39.274, 225.671



79, 43.541, 228.172



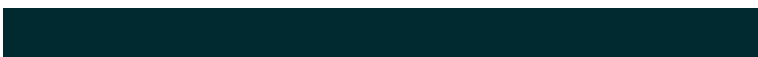
42, 81.029, 293.524



46, 3.861, 215.467



56, 32.961, 227.343



14, 13.604, 221.650

Previews

White Background



This preview shows how the CIELCh color 50, 87.084, 41.857 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 50, 87.084, 41.857 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 87.084, 41.857

Background



This preview shows how black text looks on a background with the CIELCh color 50, 87.084, 41.857.



This preview shows how white text looks on a background with the CIELCh color 50, 87.084, 41.857.

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

50, 87.084, 41.857

Protanopia

50, 47.150, 95.771

Deuteranopia

50, 56.869, 84.212



Tritanopia
50, 79.719, 33.627

Trichromacy



Original Color
50, 87.084, 41.857

Protanomaly
48, 54.057, 63.181

Deuteranomaly
48, 63.573, 60.970

Tritanomaly
50, 82.799, 37.399

Monochromacy



Original Color
50, 87.084, 41.857

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 31.576, 36.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 87.084, 41.857 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(225, 50, 16)` looks like.

```
.text, #text, p{  
    color:rgb(225, 50, 16)  
}
```

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(225, 50, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 50, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 87.084, 41.857 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(225, 50, 16) }
```

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

```
.border{ border-color:rgb(225, 50, 16) }
```

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

Here you see how a box with a 4 pixel rgb(225, 50, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 50, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 50, 16);  
box-shadow:4px 4px 4px 4px rgb(225, 50,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 87.084, 41.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 50, 16) }
```

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

```
.background{ background-color: rgb(225, 50,  
16) }
```

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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