

# Converting Colors

CIELCh(50, 93.371, 38.537)

Have a look what the booklet for  
CIELCh(50, 93.371, 38.537) contains.

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# Color

**CIELCh(50, 93.371, 38.537)**

# Conversions

Conversions Part 1	
Format	Color
Hex	EB1913
RGB	235, 25, 19
RGB Percent	92%, 10%, 7%
CMY	0.0782, 0.9014, 0.9253
CMYK	0.00, 0.89, 0.92, 0.08
HSL	2°, 85%, 50%
HSV	2°, 92%, 92%
XYZ	34.7474, 18.4187, 2.3420
YIQ	87.1060, 127.0860, 42.6540

# Conversions

## Conversions Part 2

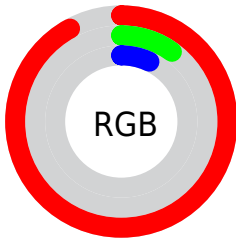
Format	Color
<a href="#">RYB</a>	<a href="#">235, 25, 19</a>
Decimal	<a href="#">15407379</a>
CIELab	<a href="#">50.00, 73.04, 58.17</a>
CIELCh	<a href="#">50, 93.371, 38.537</a>
Yxy	<a href="#">18.4187, 0.6260, 0.3318</a>
Android (android.graphics.Color)	<a href="#">4293597459</a> (0xFFEB1913)
YUV	<a href="#">87.1060, -33.5763, 129.7030</a>
Hunter-Lab	<a href="#">42.9170, 69.4166, 26.8064</a>

# Details

The CIELCh color **50, 93.371, 38.537** 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 **83, 44.935, 200.666**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 74.754, 39.386**, and **35, 76.701, 39.874** is the 20% darker color. If you saturate the color by 10%, you get **49, 97.975, 40.219**, and if you desaturate by 10%, it is **52, 84.598, 35.599**.

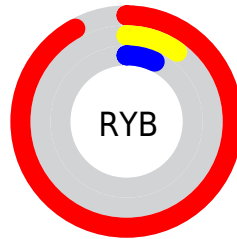
# Distribution



Red (92%)

Green (10%)

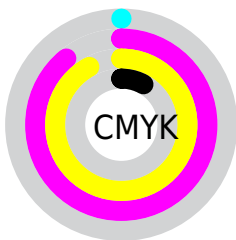
Blue (7%)



Red (92%)

Yellow (10%)

Blue (7%)

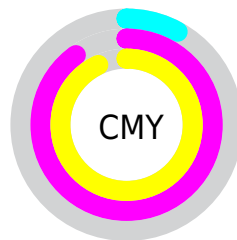


Cyan (0%)

Magenta (89%)

Yellow (92%)

Black (8%)



Cyan (8%)

Magenta (90%)

Yellow (93%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 93.371, 38.537 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, 93.371, 38.537 by changing the saturation by 10% instead.



 50, 93.371, 38.537

 50, 93.371, 38.537

 100, 93.371,  
38.537

 40, 93.371, 38.537

 70, 93.371, 38.537

 30, 93.371, 38.537

 80, 93.371, 38.537

 20, 93.371, 38.537

 90, 93.371, 38.537

 10, 93.371, 38.537

 0, 93.371, 38.537

 50, 93.371, 38.537

 50, 93.371, 38.537

 49, 97.975, 40.219

 52, 84.598, 35.599

 55, 73.915, 32.400

 58, 62.555, 29.587

 63, 51.112, 27.321

 68, 39.956, 25.568

 74, 29.327, 24.232

 80, 19.360, 23.217

 86, 10.103, 22.430

 92, 1.547, 21.514

# Harmonies

# Complementary

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



50, 93.371, 38.537



83, 44.935, 200.666

# Rectangle

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



50, 93.371, 38.537



50, 93.371, 88.537



50, 93.371, 218.537



50, 93.371, 268.537

# Sweetspot

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



50, 93.368, 38.539



82, 27.106, 23.817



56, 105.762, 328.818



41, 19.028, 24.298



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, 93.368, 38.539



53, 104.239, 40.198



65, 76.080, 63.663



46, 4.770, 22.259



38, 80.456, 40.296



7, 27.955, 24.181





# Inverse Universe

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



83, 44.935, 200.666



89, 48.159, 201.000



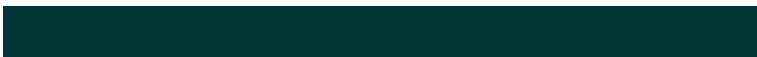
52, 65.368, 282.791



48, 4.489, 201.476



65, 37.269, 200.899



19, 16.047, 200.215



# Previews

## White Background



This preview shows how the CIELCh color 50, 93.371, 38.537 looks on a white 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

# Black Background



This preview shows how the CIELCh color 50, 93.371, 38.537 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, 93.371, 38.537

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 93.371, 38.537.



This preview shows how white text looks on a background with the CIELCh color 50, 93.371, 38.537.

# 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, 93.371, 38.537

### Protanopia

50, 44.688, 95.675

### Deuteranopia

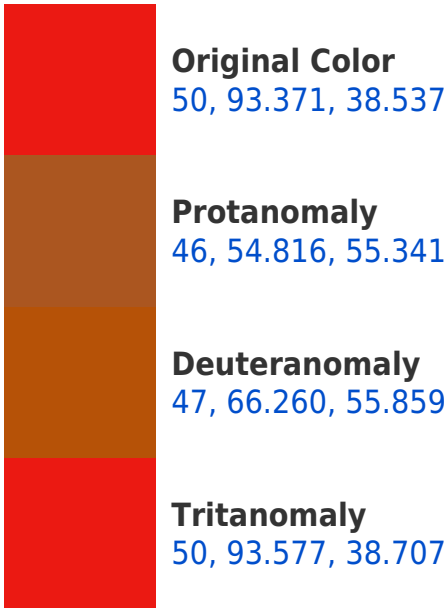
50, 56.869, 84.212



**Tritanopia**  
50, 93.778, 38.870



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 93.371, 38.537 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(235, 25, 19)` looks like.

```
.text, #text, p{  
    color:rgb(235, 25, 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(235, 25, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 25, 19) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 93.371, 38.537 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(235, 25, 19) }
```

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

```
.border{ border-color:rgb(235, 25, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 25, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 25, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 25, 19);  
box-shadow:4px 4px 4px 4px rgb(235, 25,  
19) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 93.371, 38.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 25, 19) }
```

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

```
.background{ background-color: rgb(235, 25,  
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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