

Converting Colors

CIELCh(50, 97.209, 41.166)

Have a look what the booklet for
CIELCh(50, 97.209, 41.166) contains.

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Color

CIELCh(50, 97.075, 40.990)

Conversions

Conversions Part 1

Format	Color
Hex	EC1800
RGB	236, 24, 0
RGB Percent	93%, 9%, 0%
CMY	0.0756, 0.9077, 1.0000
CMYK	0.00, 0.90, 1.00, 0.08
HSL	6°, 100%, 46%
HSV	6°, 100%, 92%
XYZ	34.8172, 18.4187, 1.7135
YIQ	84.6520, 134.0560, 37.4800

Conversions

Conversions Part 2

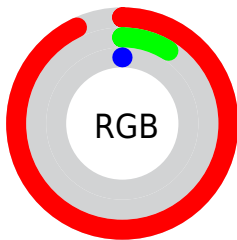
Format	Color
RYB	236, 27, 0
Decimal	15472640
CIELab	50.00, 73.27, 63.67
CIELCh	50, 97.075, 40.990
Yxy	18.4187, 0.6336, 0.3352
Android (android.graphics.Color)	4293662720 (0xFFEC1800)
YUV	84.6520, -41.7334, 132.7322
Hunter-Lab	42.9170, 69.7069, 27.6747

Details

The CIELCh color **50, 97.075, 40.990** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **78, 42.014, 214.466**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 78.290, 42.930**, and **35, 76.701, 39.874** is the 20% darker color. If you saturate the color by 10%, you get **50, 97.031, 40.963**, and if you desaturate by 10%, it is **52, 90.184, 39.672**.

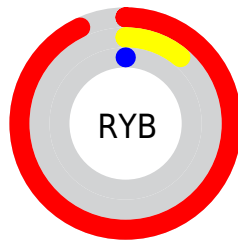
Distribution



Red (93%)

Green (9%)

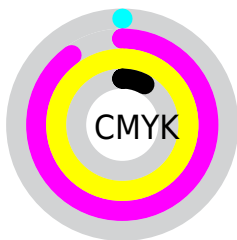
Blue (0%)



Red (93%)

Yellow (11%)

Blue (0%)

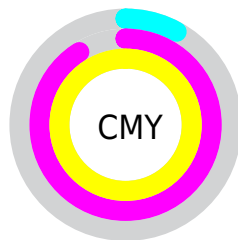


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (91%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 97.075, 40.990 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, 97.075, 40.990 by changing the saturation by 10% instead.

■ 50, 97.075, 40.990

■ 50, 97.075, 40.990

■ 100, 97.075,
40.990

■ 40, 97.075, 40.990

■ 70, 97.075, 40.990

■ 30, 97.075, 40.990

■ 80, 97.075, 40.990

■ 20, 97.075, 40.990

■ 90, 97.075, 40.990

■ 10, 97.075, 40.990

■ 0, 97.075, 40.990

■ 50, 97.075, 40.990

■ 50, 97.075, 40.990

■ 50, 97.031, 40.963

■ 52, 90.184, 39.672

■ 54, 80.324, 37.590

■ 57, 69.129, 35.354

61, 57.680, 33.411

66, 46.483, 31.867

71, 35.809, 30.700

76, 25.795, 29.844

82, 16.498, 29.229

87, 7.912, 28.777

Harmonies

Complementary

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



50, 97.075, 40.990



78, 42.014, 214.466

Rectangle

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



50, 97.075, 40.990



50, 97.075, 90.990



50, 97.075, 220.990



50, 97.075, 270.990

Sweetspot

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



50, 97.031, 40.963



82, 27.507, 29.853



55, 101.900, 331.915



41, 19.094, 30.183



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, 97.031, 40.963



54, 103.065, 40.908



66, 78.365, 67.274



46, 4.467, 28.755



38, 79.340, 41.197



8, 26.555, 28.202

Inverse Universe

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



78, 42.014, 214.466



84, 44.574, 214.553



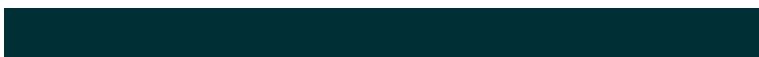
45, 81.223, 291.875



48, 4.200, 208.511



61, 34.522, 214.125



17, 14.964, 211.241

Previews

White Background



This preview shows how the CIELCh color 50, 97.075, 40.990 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, 97.075, 40.990 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, 97.075, 40.990

Background



This preview shows how black text looks on a background with the CIELCh color 50, 97.075, 40.990.



This preview shows how white text looks on a background with the CIELCh color 50, 97.075, 40.990.

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, 97.075, 40.990

Protanopia

50, 48.371, 95.236

Tritanopia

50, 95.044, 39.334

Trichromacy



Original Color
50, 97.075, 40.990

Protanomaly
46, 59.378, 57.671

Tritanomaly
50, 95.842, 39.950

Monochromacy



Original Color
50, 97.075, 40.990

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 38.504, 33.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 97.075, 40.990 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(236, 24, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 24, 0)  
}
```

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(236, 24, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 24, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 97.075, 40.990 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(236, 24, 0) }
```

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

```
.border{ border-color:rgb(236, 24, 0) }
```

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

Here you see how a box with a 4 pixel rgb(236, 24, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 24, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 24, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 24, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 97.075, 40.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 24, 0) }
```

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

```
.background{ background-color: rgb(236, 24,  
0) }
```

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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