

Converting Colors

CIELCh(50, 85.578, 35.762)

Have a look what the booklet for
CIELCh(50, 85.578, 35.762) contains.

CIELCh(50, 85.573, 35.764)	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(50, 85.573, 35.764)

Conversions

Conversions Part 1

Format	Color
Hex	E62725
RGB	230, 39, 37
RGB Percent	90%, 15%, 15%
CMY	0.0979, 0.8468, 0.8548
CMYK	0.00, 0.83, 0.84, 0.10
HSL	1°, 79%, 52%
HSV	1°, 84%, 90%
XYZ	33.7087, 18.4187, 3.5312
YIQ	95.8810, 114.4780, 39.8700

Conversions

Conversions Part 2

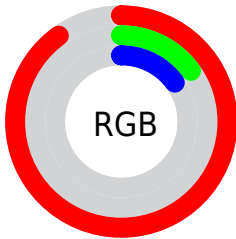
Format	Color
R_{YB}	230, 39, 37
Decimal	15083301
CIE Lab	50.00, 69.44, 50.01
CIE LCh	50, 85.573, 35.764
Yxy	18.4187, 0.6056, 0.3309
Android (android.graphics.Color)	4293273381 (0xFFE62725)
YUV	95.8810, -29.0283, 117.6224
Hunter-Lab	42.9170, 65.0962, 25.1635

Details

The CIELCh color **50, 85.573, 35.764** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **83, 44.343, 197.922**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 69.182, 36.145**, and **34, 75.287, 39.810** is the 20% darker color. If you saturate the color by 10%, you get **49, 93.395, 38.753**, and if you desaturate by 10%, it is **52, 75.448, 32.313**.

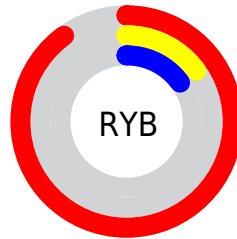
Distribution



Red (90%)

Green (15%)

Blue (15%)



Red (90%)

Yellow (15%)

Blue (15%)

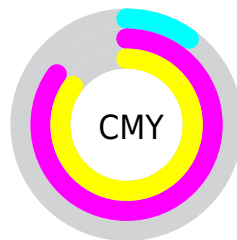


Cyan (0%)

Magenta (83%)

Yellow (84%)

Black (10%)



Cyan (10%)

Magenta (85%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 85.573, 35.764 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, 85.573, 35.764 by changing the saturation by 10% instead.

■ 50, 85.573, 35.764

■ 50, 85.573, 35.764

■ 100, 85.573,
35.764

■ 40, 85.573, 35.764

■ 70, 85.573, 35.764

■ 30, 85.573, 35.764

■ 80, 85.573, 35.764

■ 20, 85.573, 35.764

■ 90, 85.573, 35.764

■ 10, 85.573, 35.764

■ 0, 85.573, 35.764

■ 50, 85.573, 35.764

■ 50, 85.573, 35.764

■ 49, 93.395, 38.753

■ 52, 75.448, 32.313

■ 48, 96.605, 40.085

■ 56, 64.424, 29.202

■ 60, 53.149, 26.668

65, 42.031, 24.696

71, 31.351, 23.186

77, 21.281, 22.033

83, 11.898, 21.139

89, 3.210, 20.331

95, 4.817, 200.132

Harmonies

Complementary

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



50, 85.573, 35.764



83, 44.343, 197.922

Rectangle

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



50, 85.573, 35.764



50, 85.573, 85.764



50, 85.573, 215.764



50, 85.573, 265.764

Sweetspot

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



50, 85.570, 35.766



83, 24.314, 22.160



56, 102.367, 328.087



42, 16.815, 22.545



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, 85.570, 35.766



53, 104.448, 40.074



65, 69.901, 64.077



45, 4.766, 20.794



37, 79.837, 40.092



6, 26.900, 22.287

Inverse Universe

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



83, 44.343, 197.922



90, 49.348, 198.074



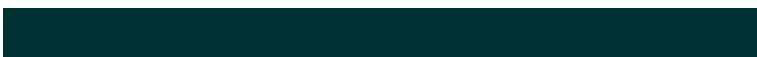
55, 56.918, 277.465



47, 4.488, 199.896



65, 37.772, 198.037



18, 15.887, 197.779

Previews

White Background



This preview shows how the CIELCh color 50, 85.573, 35.764 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, 85.573, 35.764 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, 85.573, 35.764

Background



This preview shows how black text looks on a background with the CIELCh color 50, 85.573, 35.764.



This preview shows how white text looks on a background with the CIELCh color 50, 85.573, 35.764.

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, 85.573, 35.764

Protanopia

50, 36.091, 95.696

Deuteranopia

50, 54.751, 83.206



Tritanopia
50, 85.573, 35.764

Trichromacy



Original Color
50, 85.573, 35.764

Protanomaly
47, 46.321, 52.761

Deuteranomaly
48, 62.008, 56.152

Tritanomaly
50, 85.573, 35.764

Monochromacy



Original Color
50, 85.573, 35.764

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 32.299, 24.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 85.573, 35.764 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(230, 39, 37)` looks like.

```
.text, #text, p{  
    color:rgb(230, 39, 37)  
}
```

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(230, 39, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 39, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 85.573, 35.764 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(230, 39, 37) }
```

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

```
.border{ border-color:rgb(230, 39, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 39, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 39, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 39, 37);  
box-shadow:4px 4px 4px 4px rgb(230, 39,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 85.573, 35.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 39, 37) }
```

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

```
.background{ background-color: rgb(230, 39,  
37) }
```

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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