

Converting Colors

CIELCh(50, 91.716, 35.369)

Have a look what the booklet for
CIELCh(50, 91.716, 35.369) contains.

CIELCh(50, 91.743, 35.328)	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, 91.743, 35.328)

Conversions

Conversions Part 1

Format	Color
Hex	ED0F20
RGB	237, 15, 32
RGB Percent	93%, 6%, 13%
CMY	0.0715, 0.9395, 0.8752
CMYK	0.00, 0.93, 0.87, 0.07
HSL	356°, 88%, 49%
HSV	356°, 93%, 93%
XYZ	35.2789, 18.4187, 3.0503
YIQ	83.3160, 126.8550, 52.3510

Conversions

Conversions Part 2

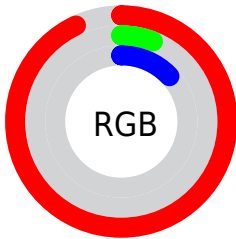
Format	Color
RYB	237, 15, 32
Decimal	15535904
CIELab	50.00, 74.85, 53.05
CIELCh	50, 91.743, 35.328
Yxy	18.4187, 0.6217, 0.3246
Android (android.graphics.Color)	4293725984 (0xFFED0F20)
YUV	83.3160, -25.2988, 134.7809
Hunter-Lab	42.9170, 71.6272, 25.8279

Details

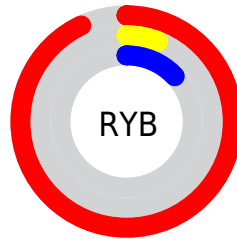
The CIELCh color **50, 91.743, 35.328** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **85, 50.025, 186.125**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 72.666, 35.034**, and **35, 77.401, 39.901** is the 20% darker color. If you saturate the color by 10%, you get **50, 95.851, 37.667**, and if you desaturate by 10%, it is **51, 83.641, 31.010**.

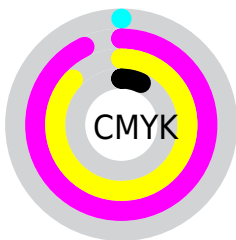
Distribution



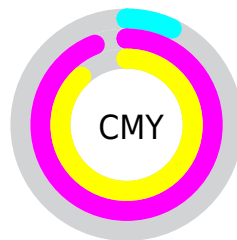
- Red (93%)
- Green (6%)
- Blue (13%)



- Red (93%)
- Yellow (6%)
- Blue (13%)



- Cyan (0%)
- Magenta (93%)
- Yellow (87%)
- Black (7%)



- Cyan (7%)
- Magenta (94%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 91.743, 35.328 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, 91.743, 35.328 by changing the saturation by 10% instead.

■ 50, 91.743, 35.328

■ 50, 91.743, 35.328

■ 100, 91.743,
35.328

■ 40, 91.743, 35.328

■ 70, 91.743, 35.328

■ 30, 91.743, 35.328

■ 80, 91.743, 35.328

■ 20, 91.743, 35.328

■ 90, 91.743, 35.328

■ 10, 91.743, 35.328

■ 0, 91.743, 35.328

■ 50, 91.743, 35.328

■ 50, 91.743, 35.328

■ 50, 95.851, 37.667

■ 51, 83.641, 31.010

■ 54, 74.158, 26.890

■ 58, 63.841, 23.412

■ 62, 53.076, 20.633

■ 67, 42.237, 18.459

■ 73, 31.640, 16.760

■ 79, 21.500, 15.420

■ 85, 11.933, 14.335

■ 91, 2.980, 13.322

Harmonies

Complementary

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



50, 91.743, 35.328



85, 50.025, 186.125

Rectangle

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



50, 91.743, 35.328



50, 91.743, 85.328



50, 91.743, 215.328



50, 91.743, 265.328

Sweetspot

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



50, 91.740, 35.330



81, 27.634, 16.002



53, 108.493, 325.073



41, 19.337, 16.606



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, 91.740, 35.330



53, 101.576, 37.812



60, 80.429, 55.214



46, 4.920, 13.946



38, 77.762, 37.010



7, 28.239, 19.693

Inverse Universe

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



50, 91.740, 35.330



53, 101.576, 37.812



58, 55.067, 272.199



46, 4.920, 13.946



38, 77.762, 37.010



7, 28.239, 19.693

Previews

White Background



This preview shows how the CIELCh color 50, 91.743, 35.328 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, 91.743, 35.328 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, 91.743, 35.328

Background



This preview shows how black text looks on a background with the CIELCh color 50, 91.743, 35.328.



This preview shows how white text looks on a background with the CIELCh color 50, 91.743, 35.328.

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, 91.809, 35.278

Protanopia

50, 38.098, 95.898

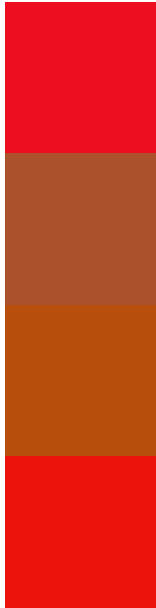
Deuteranopia

50, 57.049, 83.756



Tritanopia
50, 97.345, 40.812

Trichromacy



Original Color
50, 91.809, 35.278

Protanomaly
45, 50.847, 48.280

Deuteranomaly
46, 66.422, 53.357

Tritanomaly
50, 95.547, 39.232

Monochromacy



Original Color
50, 91.809, 35.278

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 37.637, 21.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 91.743, 35.328 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(237, 15, 32)` looks like.

```
.text, #text, p{  
    color:rgb(237, 15, 32)  
}
```

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(237, 15, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 15, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 91.743, 35.328 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(237, 15, 32) }
```

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

```
.border{ border-color:rgb(237, 15, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 15, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 15, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 15, 32);  
box-shadow:4px 4px 4px 4px rgb(237, 15,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 91.743, 35.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 15, 32) }
```

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

```
.background{ background-color: rgb(237, 15,  
32) }
```

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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