

Converting Colors

CIELCh(51, 91.737, 37.715)

Have a look what the booklet for
CIELCh(51, 91.737, 37.715) contains.

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Color

CIELCh(51, 91.764, 37.707)

Conversions

Conversions Part 1

Format	Color
Hex	EE211B
RGB	238, 33, 27
RGB Percent	93%, 13%, 11%
CMY	0.0678, 0.8722, 0.8950
CMYK	0.00, 0.86, 0.89, 0.07
HSL	2°, 86%, 52%
HSV	2°, 89%, 93%
XYZ	35.8892, 19.2686, 2.8514
YIQ	93.6110, 124.1060, 41.5940

Conversions

Conversions Part 2

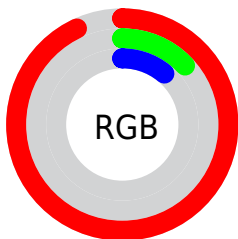
Format	Color
R_{YB}	238, 33, 27
Decimal	15606043
CIE Lab	51.00, 72.60, 56.13
CIE LCh	51, 91.764, 37.707
Yxy	19.2686, 0.6187, 0.3322
Android (android.graphics.Color)	4293796123 (0xFFEE211B)
YUV	93.6110, -32.8392, 126.6292
Hunter-Lab	43.8960, 69.1229, 26.8759

Details

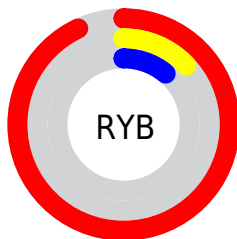
The CIELCh color **51, 91.764, 37.707** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **84, 45.103, 200.465**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 71.856, 38.352**, and **36, 77.749, 39.913** is the 20% darker color. If you saturate the color by 10%, you get **50, 98.151, 39.928**, and if you desaturate by 10%, it is **53, 82.112, 34.566**.

Distribution



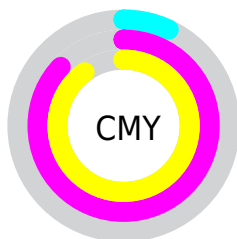
- Red (93%)
- Green (13%)
- Blue (11%)



- Red (93%)
- Yellow (13%)
- Blue (11%)



- Cyan (0%)
- Magenta (86%)
- Yellow (89%)
- Black (7%)



- Cyan (7%)
- Magenta (87%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 91.764, 37.707 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 51, 91.764, 37.707 by changing the saturation by 10% instead.

■ 51, 91.764, 37.707

■ 51, 91.764, 37.707

■ 100, 91.764,
37.707

■ 41, 91.764, 37.707

■ 71, 91.764, 37.707

■ 31, 91.764, 37.707

■ 81, 91.764, 37.707

■ 21, 91.764, 37.707

■ 91, 91.764, 37.707

■ 11, 91.764, 37.707

■ 1, 91.764, 37.707

■ 0, 91.764, 37.707

■ 51, 91.764, 37.707

■ 51, 91.764, 37.707

■ 50, 98.151, 39.928

■ 53, 82.112, 34.566

■ 50, 98.821, 40.211

■ 56, 71.033, 31.438

60, 59.494, 28.784

65, 48.001, 26.680

70, 36.885, 25.063

76, 26.355, 23.834

82, 16.515, 22.898

88, 7.394, 22.154

95, 1.030, 202.324

Harmonies

Complementary

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



51, 91.764, 37.707



84, 45.103, 200.465

Rectangle

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



51, 91.764, 37.707



51, 91.764, 87.707



51, 91.764, 217.707



51, 91.764, 267.707

Sweetspot

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



51, 91.761, 37.709



82, 26.050, 23.664



57, 105.739, 328.771



42, 17.788, 24.031



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 91.761, 37.709



53, 104.246, 40.193



66, 74.902, 64.443



47, 4.859, 22.207



38, 81.320, 40.290



8, 29.232, 25.285

Inverse Universe

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



84, 45.103, 200.465



89, 48.200, 200.891



54, 63.677, 281.392



49, 4.572, 201.417



66, 37.688, 200.798



20, 16.536, 200.162

Previews

White Background



This preview shows how the CIELCh color 51, 91.764, 37.707 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 51, 91.764, 37.707 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 51, 91.764, 37.707

Background



This preview shows how black text looks on a background with the CIELCh color 51, 91.764, 37.707.



This preview shows how white text looks on a background with the CIELCh color 51, 91.764, 37.707.

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

51, 91.764, 37.707

Protanopia

51, 42.443, 95.653

Tritanopia

51, 91.638, 37.402

Trichromacy



Original Color
51, 91.764, 37.707

Protanomaly
47, 52.733, 54.443

Tritanomaly
51, 91.638, 37.402

Monochromacy



Original Color
51, 91.764, 37.707

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 35.213, 27.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 91.764, 37.707 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(238, 33, 27)` looks like.

```
.text, #text, p{  
    color:rgb(238, 33, 27)  
}
```

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(238, 33, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 33, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 91.764, 37.707 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(238, 33, 27) }
```

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

```
.border{ border-color:rgb(238, 33, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 33, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 33, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 33, 27);  
box-shadow:4px 4px 4px 4px rgb(238, 33,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 91.764, 37.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 33, 27) }
```

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

```
.background{ background-color: rgb(238, 33,  
27) }
```

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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