

Converting Colors

CIELCh(51, 97.718, 37.821)

Have a look what the booklet for
CIELCh(51, 97.718, 37.821) contains.

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Color

CIELCh(51, 97.628, 37.855)

Conversions

Conversions Part 1

Format	Color
Hex	F30512
RGB	243, 5, 18
RGB Percent	95%, 2%, 7%
CMY	0.0458, 0.9797, 0.9284
CMYK	0.00, 0.98, 0.92, 0.05
HSL	357°, 96%, 49%
HSV	357°, 98%, 95%
XYZ	37.2420, 19.2686, 2.3401
YIQ	77.6440, 137.6750, 54.4990

Conversions

Conversions Part 2

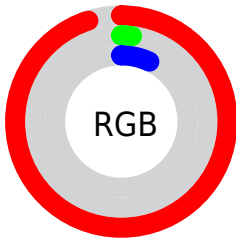
Format	Color
RYB	243, 5, 18
Decimal	15926546
CIELab	51.00, 77.08, 59.91
CIElCh	51, 97.628, 37.855
Yxy	19.2686, 0.6328, 0.3274
Android (android.graphics.Color)	4294116626 (0xFFFF30512)
YUV	77.6440, -29.4045, 145.0172
Hunter-Lab	43.8960, 74.6239, 27.5664

Details

The CIELCh color **51, 97.628, 37.855** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **87, 50.540, 188.334**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 75.920, 38.486**, and **36, 79.131, 39.953** is the 20% darker color. If you saturate the color by 10%, you get **51, 98.789, 38.408**, and if you desaturate by 10%, it is **52, 90.419, 34.125**.

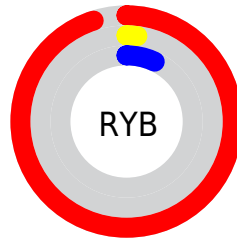
Distribution



Red (95%)

Green (2%)

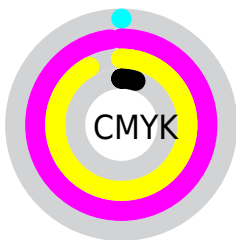
Blue (7%)



Red (95%)

Yellow (2%)

Blue (7%)

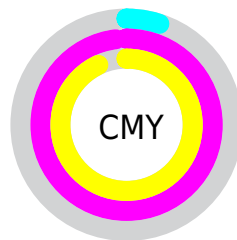


Cyan (0%)

Magenta (98%)

Yellow (92%)

Black (5%)



Cyan (5%)

Magenta (98%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 97.628, 37.855 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, 97.628, 37.855 by changing the saturation by 10% instead.

 51, 97.628, 37.855

 51, 97.628, 37.855

 100, 97.628,
37.855

 41, 97.628, 37.855

 71, 97.628, 37.855

 31, 97.628, 37.855

 81, 97.628, 37.855

 21, 97.628, 37.855

 91, 97.628, 37.855

 11, 97.628, 37.855

 1, 97.628, 37.855

 0, 97.628, 37.855

 51, 97.628, 37.855

 51, 97.628, 37.855

 51, 98.789, 38.408

 52, 90.419, 34.125

 54, 81.055, 29.974

■ 57, 70.576, 26.246

■ 62, 59.501, 23.191

■ 66, 48.239, 20.787

■ 72, 37.146, 18.918

■ 78, 26.482, 17.460

■ 84, 16.401, 16.306

■ 91, 6.967, 15.347

Harmonies

Complementary

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



51, 97.628, 37.855



87, 50.540, 188.334

Rectangle

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



51, 97.628, 37.855



51, 97.628, 87.855



51, 97.628, 217.855



51, 97.628, 267.855

Sweetspot

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



51, 97.624, 37.857



81, 28.739, 17.617



55, 111.573, 325.618



40, 19.995, 18.215



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, 97.624, 37.857



53, 102.459, 38.484



62, 84.071, 55.261



48, 5.086, 15.496



39, 80.234, 37.862



8, 30.684, 22.804

Inverse Universe

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



51, 97.624, 37.857



53, 102.459, 38.484



57, 60.584, 276.599



48, 5.086, 15.496



39, 80.234, 37.862



8, 30.684, 22.804

Previews

White Background



This preview shows how the CIELCh color 51, 97.628, 37.855 looks on a white background.

Color Contrast Check

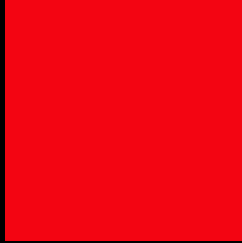
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.628, 37.855 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, 97.628, 37.855

Background



This preview shows how black text looks on a background with the CIELCh color 51, 97.628, 37.855.



This preview shows how white text looks on a background with the CIELCh color 51, 97.628, 37.855.

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, 97.579, 37.888

Protanopia

52, 45.624, 95.272

Deuteranopia

51, 57.956, 84.152

Trichromacy



Original Color
51, 97.579, 37.888

Protanomaly
46, 57.789, 51.027

Deuteranomaly
47, 69.286, 52.596

Monochromacy



Original Color
51, 97.579, 37.888

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 40.622, 24.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 97.628, 37.855 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(243, 5, 18)` looks like.

```
.text, #text, p{  
    color:rgb(243, 5, 18)  
}
```

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(243, 5, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 5, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 97.628, 37.855 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(243, 5, 18) }
```

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

```
.border{ border-color:rgb(243, 5, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 5, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 5, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 5, 18);  
box-shadow:4px 4px 4px 4px rgb(243, 5, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 97.628, 37.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 5, 18) }
```

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

```
.background{ background-color: rgb(243, 5,  
18) }
```

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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