

Converting Colors

CIELCh(51, 97.463, 36.978)

Have a look what the booklet for
CIELCh(51, 97.463, 36.978) contains.

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Color

CIELCh(51, 97.321, 37.061)

Conversions

Conversions Part 1

Format	Color
Hex	F40016
RGB	244, 0, 22
RGB Percent	96%, 0%, 9%
CMY	0.0435, 1.0000, 0.9140
CMYK	0.00, 1.00, 0.91, 0.04
HSL	355°, 100%, 48%
HSV	355°, 100%, 96%
XYZ	37.4188, 19.2686, 2.5027
YIQ	75.4640, 138.3620, 58.5700

Conversions

Conversions Part 2

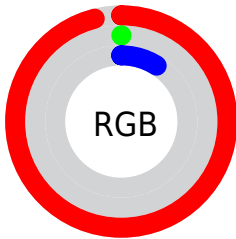
Format	Color
R_{YB}	244, 0, 22
Decimal	15990806
CIE _{Lab}	51.00, 77.66, 58.65
CIE _{LCh}	51, 97.321, 37.061
Yxy	19.2686, 0.6322, 0.3255
Android (android.graphics.Color)	4294180886 (0xFFFF40016)
YUV	75.4640, -26.3578, 147.8061
Hunter-Lab	43.8960, 75.3426, 27.3468

Details

The CIELCh color **51, 97.321, 37.061** 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, 52.723, 183.370**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 75.299, 37.212**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **51, 97.306, 37.071**, and if you desaturate by 10%, it is **52, 90.380, 32.969**.

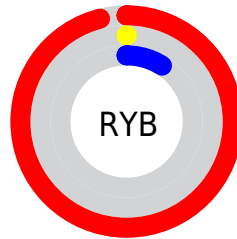
Distribution



Red (96%)

Green (0%)

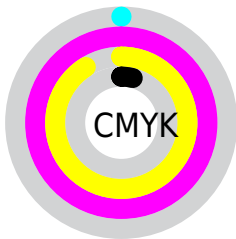
Blue (9%)



Red (96%)

Yellow (0%)

Blue (9%)

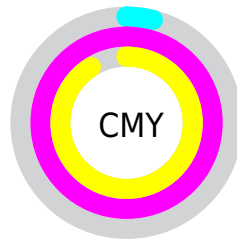


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (4%)



Cyan (4%)

Magenta (100%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 97.321, 37.061 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, 97.321, 37.061 by changing the saturation by 10% instead.

 51, 97.321, 37.061

 51, 97.321, 37.061

 100, 97.321,
37.061

 41, 97.321, 37.061

 71, 97.321, 37.061

 31, 97.321, 37.061

 81, 97.321, 37.061

 21, 97.321, 37.061

 91, 97.321, 37.061

 11, 97.321, 37.061

 1, 97.321, 37.061

 0, 97.321, 37.061

 51, 97.321, 37.061

 51, 97.321, 37.061

 51, 97.306, 37.071

 52, 90.380, 32.969

 54, 81.688, 28.493

■ 57, 71.862, 24.504

■ 61, 61.285, 21.235

■ 66, 50.335, 18.654

■ 71, 39.382, 16.635

■ 77, 28.726, 15.048

■ 83, 18.557, 13.781

■ 90, 8.974, 12.733

Harmonies

Complementary

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



51, 97.321, 37.061



87, 52.723, 183.370

Rectangle

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



51, 97.321, 37.061



51, 97.321, 87.061



51, 97.321, 217.061



51, 97.321, 267.061

Sweetspot

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



51, 97.306, 37.071



80, 29.786, 15.058



54, 112.511, 324.290



40, 20.573, 15.685



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, 97.306, 37.071



53, 100.756, 37.165



60, 87.031, 52.456



48, 5.106, 12.683



39, 78.769, 36.368



8, 30.490, 21.376

Inverse Universe

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



51, 97.306, 37.071



53, 100.756, 37.165



59, 57.777, 273.298



48, 5.106, 12.683



39, 78.769, 36.368



8, 30.490, 21.376

Previews

White Background



This preview shows how the CIELCh color 51, 97.321, 37.061 looks on a white background.

Color Contrast Check

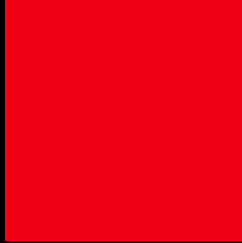
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.321, 37.061 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, 97.321, 37.061

Background



This preview shows how black text looks on a background with the CIELCh color 51, 97.321, 37.061.



This preview shows how white text looks on a background with the CIELCh color 51, 97.321, 37.061.

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, 97.321, 37.061

Protanopia

52, 44.323, 95.196

Deuteranopia

51, 57.956, 84.152

Trichromacy



Original Color
51, 97.321, 37.061

Protanomaly
46, 57.572, 48.885

Deuteranomaly
46, 69.500, 51.729

Monochromacy



Original Color
51, 97.321, 37.061

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 41.132, 21.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 97.321, 37.061 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(244, 0, 22)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 22)  
}
```

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(244, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 97.321, 37.061 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(244, 0, 22) }
```

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

```
.border{ border-color:rgb(244, 0, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 0, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 97.321, 37.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 22) }
```

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

```
.background{ background-color: rgb(244, 0,  
22) }
```

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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