

Converting Colors

CIELCh(51, 96.819, 37.035)

Have a look what the booklet for
CIELCh(51, 96.819, 37.035) contains.

CIELCh(51, 96.623, 36.952)	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(51, 96.623, 36.952)

Conversions

Conversions Part 1

Format	Color
Hex	F30417
RGB	243, 4, 23
RGB Percent	95%, 2%, 9%
CMY	0.0457, 0.9834, 0.9088
CMYK	0.00, 0.98, 0.90, 0.05
HSL	355°, 97%, 49%
HSV	355°, 98%, 95%
XYZ	37.2822, 19.2686, 2.5784
YIQ	77.6270, 136.3450, 56.5770

Conversions

Conversions Part 2

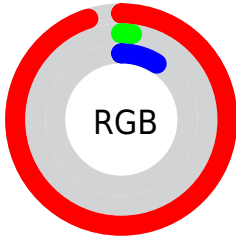
Format	Color
RYB	243, 4, 23
Decimal	15926295
CIELab	51.00, 77.22, 58.08
CIELCh	51, 96.623, 36.952
Yxy	19.2686, 0.6305, 0.3259
Android (android.graphics.Color)	4294116375 (0xFFFF30417)
YUV	77.6270, -26.9311, 145.0321
Hunter-Lab	43.8960, 74.7873, 27.2446

Details

The CIELCh color **51, 96.623, 36.952** 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, 51.860, 184.929**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 74.795, 37.175**, and **36, 79.131, 39.953** is the 20% darker color. If you saturate the color by 10%, you get **51, 97.659, 37.505**, and if you desaturate by 10%, it is **52, 89.381, 32.824**.

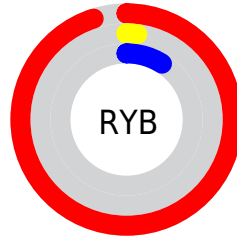
Distribution



Red (95%)

Green (2%)

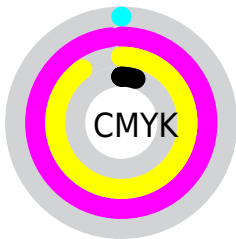
Blue (9%)



Red (95%)

Yellow (2%)

Blue (9%)

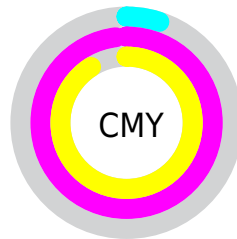


Cyan (0%)

Magenta (98%)

Yellow (90%)

Black (5%)



Cyan (5%)

Magenta (98%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 96.623, 36.952 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, 96.623, 36.952 by changing the saturation by 10% instead.

 51, 96.623, 36.952

 51, 96.623, 36.952

 100, 96.623,
36.952

 41, 96.623, 36.952

 71, 96.623, 36.952

 31, 96.623, 36.952

 81, 96.623, 36.952

 21, 96.623, 36.952

 91, 96.623, 36.952

 11, 96.623, 36.952

 1, 96.623, 36.952

 0, 96.623, 36.952

 51, 96.623, 36.952

 51, 96.623, 36.952

 51, 97.659, 37.505

 52, 89.381, 32.824

 54, 80.344, 28.468

■ 57, 70.235, 24.629

■ 61, 59.466, 21.502

■ 66, 48.422, 19.039

■ 72, 37.465, 17.117

■ 78, 26.869, 15.607

■ 84, 16.803, 14.401

■ 91, 7.346, 13.394

Harmonies

Complementary

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



51, 96.623, 36.952



87, 51.860, 184.929

Rectangle

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



51, 96.623, 36.952



51, 96.623, 86.952



51, 96.623, 216.952



51, 96.623, 266.952

Sweetspot

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



51, 96.619, 36.954



81, 28.709, 15.717



54, 111.798, 324.971



40, 19.957, 16.331



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, 96.619, 36.954



53, 101.302, 37.598



61, 85.032, 53.973



48, 5.099, 13.512



39, 79.228, 36.849



8, 30.546, 21.800

Inverse Universe

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



51, 96.619, 36.954



53, 101.302, 37.598



58, 58.770, 274.674



48, 5.099, 13.512



39, 79.228, 36.849



8, 30.546, 21.800

Previews

White Background



This preview shows how the CIELCh color 51, 96.623, 36.952 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, 96.623, 36.952 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, 96.623, 36.952

Background



This preview shows how black text looks on a background with the CIELCh color 51, 96.623, 36.952.



This preview shows how white text looks on a background with the CIELCh color 51, 96.623, 36.952.

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, 96.574, 36.986

Protanopia

51, 43.341, 95.757

Deuteranopia

51, 57.956, 84.152



Tritanopia
51, 99.196, 40.821

Trichromacy



Original Color
51, 96.574, 36.986

Protanomaly
46, 56.111, 49.388

Deuteranomaly
47, 69.099, 52.464

Tritanomaly
51, 98.364, 39.590

Monochromacy



Original Color
51, 96.574, 36.986

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 40.640, 22.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 96.623, 36.952 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, 4, 23)` looks like.

```
.text, #text, p{  
    color:rgb(243, 4, 23)  
}
```

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, 4, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 4, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 96.623, 36.952 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, 4, 23) }
```

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

```
.border{ border-color:rgb(243, 4, 23) }
```

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

Here you see how a box with a 4 pixel rgb(243, 4, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 4, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 4, 23);  
box-shadow:4px 4px 4px 4px rgb(243, 4, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 96.623, 36.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 4, 23) }
```

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

```
.background{ background-color: rgb(243, 4,  
23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor