

Converting Colors

CIELCh(51, 96.898, 36.500)

Have a look what the booklet for
CIELCh(51, 96.898, 36.500) contains.

CIELCh(51, 96.651, 36.493)	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, 96.651, 36.493)

Conversions

Conversions Part 1

Format	Color
Hex	F40019
RGB	244, 0, 25
RGB Percent	96%, 0%, 10%
CMY	0.0437, 1.0000, 0.9023
CMYK	0.00, 1.00, 0.90, 0.04
HSL	354°, 100%, 48%
HSV	354°, 100%, 96%
XYZ	37.4307, 19.2686, 2.6606
YIQ	75.8060, 137.3990, 59.5030

Conversions

Conversions Part 2

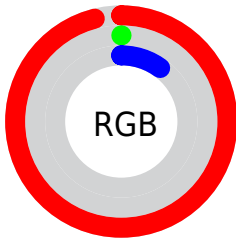
Format	Color
R_{YB}	244, 0, 25
Decimal	15990809
CIE Lab	51.00, 77.70, 57.48
CIE LCh	51, 96.651, 36.493
Yxy	19.2686, 0.6306, 0.3246
Android (android.graphics.Color)	4294180889 (0xFFFF40019)
YUV	75.8060, -25.0474, 147.5061
Hunter-Lab	43.8960, 75.3912, 27.1336

Details

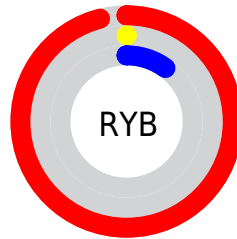
The CIELCh color **51, 96.651, 36.493** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **87, 53.450, 181.776**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 74.746, 36.539**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **51, 96.628, 36.509**, and if you desaturate by 10%, it is **52, 89.675, 32.202**.

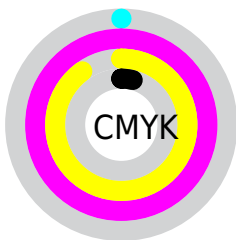
Distribution



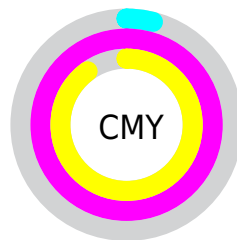
- Red (96%)
- Green (0%)
- Blue (10%)



- Red (96%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (90%)
- Black (4%)



- Cyan (4%)
- Magenta (100%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 96.651, 36.493 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, 96.651, 36.493 by changing the saturation by 10% instead.

 51, 96.651, 36.493

 51, 96.651, 36.493

 100, 96.651,
36.493

 41, 96.651, 36.493

 71, 96.651, 36.493

 31, 96.651, 36.493

 81, 96.651, 36.493

 21, 96.651, 36.493

 91, 96.651, 36.493

 11, 96.651, 36.493

 1, 96.651, 36.493

 0, 96.651, 36.493

 51, 96.651, 36.493

 51, 96.651, 36.493

 51, 96.628, 36.509

 52, 89.675, 32.202

 54, 81.135, 27.638

■ 57, 71.485, 23.614

■ 61, 61.056, 20.331

■ 66, 50.215, 17.739

■ 71, 39.337, 15.709

■ 77, 28.723, 14.108

■ 83, 18.574, 12.825

■ 90, 8.990, 11.760

Harmonies

Complementary

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



51, 96.651, 36.493



87, 53.450, 181.776

Rectangle

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



51, 96.651, 36.493



51, 96.651, 86.493



51, 96.651, 216.493



51, 96.651, 266.493

Sweetspot

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



51, 96.628, 36.509



80, 29.788, 14.118



53, 112.688, 323.653



40, 20.566, 14.751



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, 96.628, 36.509



53, 100.075, 36.610



59, 87.834, 51.392



48, 5.116, 11.709



39, 78.205, 35.760



8, 30.427, 20.875

Inverse Universe

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



51, 96.628, 36.509



53, 100.075, 36.610



60, 55.828, 270.942



48, 5.116, 11.709



39, 78.205, 35.760



8, 30.427, 20.875

Previews

White Background



This preview shows how the CIELCh color 51, 96.651, 36.493 looks on a white background.

Color Contrast Check

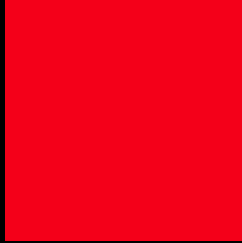
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 51, 96.651, 36.493 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, 96.651, 36.493

Background



This preview shows how black text looks on a background with the CIELCh color 51, 96.651, 36.493.



This preview shows how white text looks on a background with the CIELCh color 51, 96.651, 36.493.

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, 96.651, 36.493

Protanopia

51, 42.886, 95.730

Deuteranopia

51, 57.956, 84.152



Tritanopia
51, 99.196, 40.821

Trichromacy



Original Color

51, 96.651, 36.493



Protanomaly

45, 56.145, 47.986



Deuteranomaly

46, 69.313, 51.594



Tritanomaly

51, 98.665, 39.397

Monochromacy



Original Color

51, 96.651, 36.493



Achromatopsia

32, 0.005, 296.813



Achromatomaly

33, 41.417, 21.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 96.651, 36.493 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 96.651, 36.493 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, 25) }
```

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

```
.border{ border-color:rgb(244, 0, 25) }
```

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, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 25);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 96.651, 36.493 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, 25) }
```

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

```
.background{ background-color: rgb(244, 0,  
25) }
```

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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