

Converting Colors

CIELCh(51, 96.202, 36.767)

Have a look what the booklet for
CIELCh(51, 96.202, 36.767) contains.

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Color

CIELCh(51, 96.254, 36.864)

Conversions

Conversions Part 1

Format	Color
Hex	F30618
RGB	243, 6, 24
RGB Percent	95%, 2%, 9%
CMY	0.0468, 0.9753, 0.9057
CMYK	0.00, 0.97, 0.90, 0.05
HSL	356°, 95%, 49%
HSV	356°, 97%, 95%
XYZ	37.2192, 19.2686, 2.6245
YIQ	78.9150, 135.4740, 55.8420

Conversions

Conversions Part 2

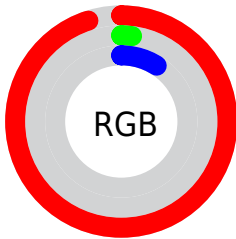
Format	Color
RYB	243, 6, 24
Decimal	15926808
CIELab	51.00, 77.01, 57.74
CIELCh	51, 96.254, 36.864
Yxy	19.2686, 0.6296, 0.3260
Android (android.graphics.Color)	4294116888 (0xFFFF30618)
YUV	78.9150, -27.0731, 143.9025
Hunter-Lab	43.8960, 74.5313, 27.1824

Details

The CIELCh color **51, 96.254, 36.864** 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, 51.482, 185.631**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 74.518, 36.837**, and **36, 79.131, 39.953** is the 20% darker color. If you saturate the color by 10%, you get **51, 97.802, 37.688**, and if you desaturate by 10%, it is **52, 88.839, 32.729**.

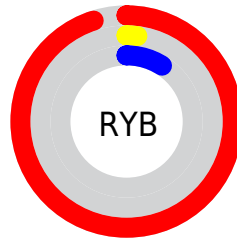
Distribution



Red (95%)

Green (2%)

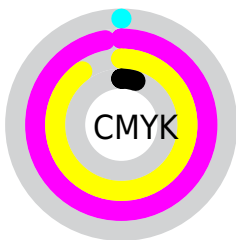
Blue (9%)



Red (95%)

Yellow (2%)

Blue (9%)

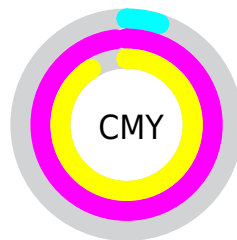


Cyan (0%)

Magenta (97%)

Yellow (90%)

Black (5%)



Cyan (5%)

Magenta (98%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 96.254, 36.864 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, 96.254, 36.864 by changing the saturation by 10% instead.

 51, 96.254, 36.864

 51, 96.254, 36.864

 100, 96.254,
36.864

 41, 96.254, 36.864

 71, 96.254, 36.864

 31, 96.254, 36.864

 81, 96.254, 36.864

 21, 96.254, 36.864

 91, 96.254, 36.864

 11, 96.254, 36.864

 1, 96.254, 36.864

 0, 96.254, 36.864

 51, 96.254, 36.864

 51, 96.254, 36.864

 51, 97.802, 37.688

 52, 88.839, 32.729

 54, 79.641, 28.431

■ 58, 69.406, 24.664

■ 62, 58.555, 21.605

■ 67, 47.476, 19.200

■ 72, 36.525, 17.324

■ 78, 25.964, 15.850

■ 85, 15.951, 14.673

■ 91, 6.557, 13.683

Harmonies

Complementary

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



51, 96.254, 36.864



87, 51.482, 185.631

Rectangle

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



51, 96.254, 36.864



51, 96.254, 86.864



51, 96.254, 216.864



51, 96.254, 266.864

Sweetspot

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



51, 96.250, 36.866



81, 28.712, 16.073



54, 111.537, 324.989



40, 19.962, 16.684



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, 96.250, 36.866



53, 101.534, 37.780



61, 84.457, 54.183



48, 5.096, 13.883



39, 79.426, 37.054



8, 30.571, 21.989

Inverse Universe

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



51, 96.250, 36.866



53, 101.534, 37.780



59, 58.269, 274.249



48, 5.096, 13.883



39, 79.426, 37.054



8, 30.571, 21.989

Previews

White Background



This preview shows how the CIELCh color 51, 96.254, 36.864 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, 96.254, 36.864 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, 96.254, 36.864

Background



This preview shows how black text looks on a background with the CIELCh color 51, 96.254, 36.864.



This preview shows how white text looks on a background with the CIELCh color 51, 96.254, 36.864.

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, 96.254, 36.864

Protanopia

51, 43.341, 95.757

Deuteranopia

51, 57.956, 84.152



Tritanopia
51, 99.196, 40.821

Trichromacy



Original Color
51, 96.254, 36.864

Protanomaly
46, 55.931, 49.918

Deuteranomaly
47, 68.716, 52.709

Tritanomaly
51, 98.212, 39.476

Monochromacy



Original Color
51, 96.254, 36.864

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 40.211, 22.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 96.254, 36.864 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, 6, 24)` looks like.

```
.text, #text, p{  
    color:rgb(243, 6, 24)  
}
```

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, 6, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 6, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 96.254, 36.864 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, 6, 24) }
```

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

```
.border{ border-color:rgb(243, 6, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 6, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 6, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 6, 24);  
box-shadow:4px 4px 4px 4px rgb(243, 6, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 96.254, 36.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 6, 24) }
```

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

```
.background{ background-color: rgb(243, 6,  
24) }
```

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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