

Converting Colors

CIELCh(51, 92.500, 36.159)

Have a look what the booklet for
CIELCh(51, 92.500, 36.159) contains.

CIELCh(51, 92.413, 36.147)	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, 92.413, 36.147)

Conversions

Conversions Part 1

Format	Color
Hex	F0181F
RGB	240, 24, 31
RGB Percent	94%, 9%, 12%
CMY	0.0590, 0.9060, 0.8785
CMYK	0.00, 0.90, 0.87, 0.06
HSL	358°, 88%, 52%
HSV	358°, 90%, 94%
XYZ	36.4960, 19.2686, 3.0903
YIQ	89.3820, 126.4890, 47.9690

Conversions

Conversions Part 2

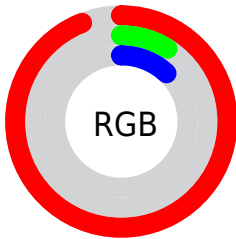
Format	Color
R_{YB}	240, 24, 31
Decimal	15734815
CIE _{Lab}	51.00, 74.62, 54.51
CIE _{LCh}	51, 92.413, 36.147
Yxy	19.2686, 0.6201, 0.3274
Android (android.graphics.Color)	4293924895 (0xFFFF0181F)
YUV	89.3820, -28.7823, 132.0920
Hunter-Lab	43.8960, 71.5901, 26.5532

Details

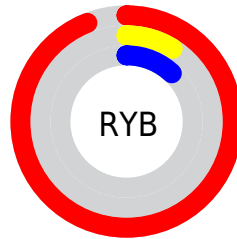
The CIELCh color **51, 92.413, 36.147** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **86, 48.320, 191.910**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 71.718, 36.301**, and **36, 78.442, 39.934** is the 20% darker color. If you saturate the color by 10%, you get **50, 98.585, 39.048**, and if you desaturate by 10%, it is **53, 83.347, 32.247**.

Distribution



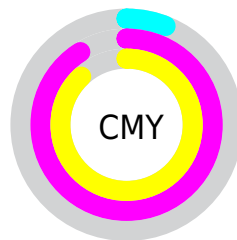
- Red (94%)
- Green (9%)
- Blue (12%)



- Red (94%)
- Yellow (9%)
- Blue (12%)



- Cyan (0%)
- Magenta (90%)
- Yellow (87%)
- Black (6%)



- Cyan (6%)
- Magenta (91%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 92.413, 36.147 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, 92.413, 36.147 by changing the saturation by 10% instead.

 51, 92.413, 36.147

 51, 92.413, 36.147

 100, 92.413,
36.147

 41, 92.413, 36.147

 71, 92.413, 36.147

 31, 92.413, 36.147

 81, 92.413, 36.147

 21, 92.413, 36.147

 91, 92.413, 36.147

 11, 92.413, 36.147

 1, 92.413, 36.147

 0, 92.413, 36.147

 51, 92.413, 36.147

 51, 92.413, 36.147

 50, 98.585, 39.048

 53, 83.347, 32.247

 56, 72.875, 28.513

60, 61.738, 25.376

64, 50.393, 22.887

70, 39.210, 20.957

76, 28.460, 19.465

82, 18.308, 18.300

88, 8.824, 17.358

95, 0.017, 336.959

Harmonies

Complementary

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



51, 92.413, 36.147



86, 48.320, 191.910

Rectangle

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



51, 92.413, 36.147



51, 92.413, 86.147



51, 92.413, 216.147



51, 92.413, 266.147

Sweetspot

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



51, 92.410, 36.149



82, 26.621, 19.095



56, 108.332, 326.940



41, 18.155, 19.531



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, 92.410, 36.149



53, 103.322, 39.117



64, 77.378, 59.899



47, 4.992, 17.311



38, 80.266, 38.684



8, 29.663, 22.505

Inverse Universe

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



51, 92.410, 36.149



53, 103.322, 39.117



57, 59.221, 276.697



47, 4.992, 17.311



38, 80.266, 38.684



8, 29.663, 22.505

Previews

White Background



This preview shows how the CIELCh color 51, 92.413, 36.147 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, 92.413, 36.147 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, 92.413, 36.147

Background



This preview shows how black text looks on a background with the CIELCh color 51, 92.413, 36.147.



This preview shows how white text looks on a background with the CIELCh color 51, 92.413, 36.147.

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, 92.413, 36.147

Protanopia

51, 39.975, 96.192

Deuteranopia

51, 57.835, 83.574



Tritanopia
51, 95.186, 38.825

Trichromacy



Original Color
51, 92.413, 36.147

Protanomaly
47, 51.622, 51.171

Deuteranomaly
48, 66.842, 55.019

Tritanomaly
51, 94.222, 37.888

Monochromacy



Original Color
51, 92.413, 36.147

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 36.659, 23.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 92.413, 36.147 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(240, 24, 31)` looks like.

```
.text, #text, p{  
    color:rgb(240, 24, 31)  
}
```

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(240, 24, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 24, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 92.413, 36.147 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(240, 24, 31) }
```

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

```
.border{ border-color:rgb(240, 24, 31) }
```

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

Here you see how a box with a 4 pixel rgb(240, 24, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 24, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 24, 31);  
box-shadow:4px 4px 4px 4px rgb(240, 24,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 92.413, 36.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 24, 31) }
```

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

```
.background{ background-color: rgb(240, 24,  
31) }
```

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