

Converting Colors

CIELCh(51, 87.880, 30.845)

Have a look what the booklet for
CIELCh(51, 87.880, 30.845) contains.

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Color

CIELCh(51, 87.794, 30.757)

Conversions

Conversions Part 1

Format	Color
Hex	F01532
RGB	240, 21, 50
RGB Percent	94%, 8%, 20%
CMY	0.0592, 0.9183, 0.8042
CMYK	0.00, 0.91, 0.79, 0.06
HSL	352°, 88%, 51%
HSV	352°, 91%, 94%
XYZ	36.7439, 19.2686, 4.7934
YIQ	89.7870, 121.2150, 55.4470

Conversions

Conversions Part 2

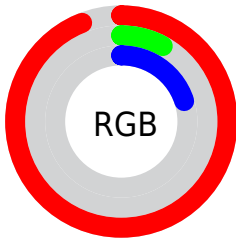
Format	Color
R_{YB}	240, 21, 50
Decimal	15734066
CIE Lab	51.00, 75.45, 44.90
CIE LCh	51, 87.794, 30.757
Yxy	19.2686, 0.6043, 0.3169
Android (android.graphics.Color)	4293924146 (0xFFFF01532)
YUV	89.7870, -19.6150, 131.7368
Hunter-Lab	43.8960, 72.5984, 24.2528

Details

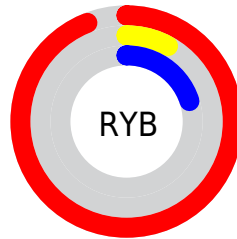
The CIELCh color **51, 87.794, 30.757** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **86, 53.427, 179.229**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.619, 28.864**, and **36, 76.960, 38.514** is the 20% darker color. If you saturate the color by 10%, you get **50, 93.619, 34.848**, and if you desaturate by 10%, it is **53, 79.933, 25.969**.

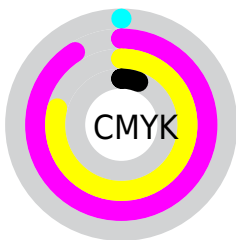
Distribution



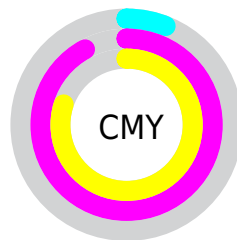
- Red (94%)
- Green (8%)
- Blue (20%)



- Red (94%)
- Yellow (8%)
- Blue (20%)



- Cyan (0%)
- Magenta (91%)
- Yellow (79%)
- Black (6%)



- Cyan (6%)
- Magenta (92%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 87.794, 30.757 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, 87.794, 30.757 by changing the saturation by 10% instead.

 51, 87.794, 30.757

 51, 87.794, 30.757

 100, 87.794,
30.757

 41, 87.794, 30.757

 71, 87.794, 30.757

 31, 87.794, 30.757

 81, 87.794, 30.757

 21, 87.794, 30.757

 91, 87.794, 30.757

 11, 87.794, 30.757

 1, 87.794, 30.757

 0, 87.794, 30.757

 51, 87.794, 30.757

 51, 87.794, 30.757

 50, 93.619, 34.848

 53, 79.933, 25.969

 56, 70.971, 21.794

■ 59, 61.124, 18.398

■ 64, 50.724, 15.714

■ 69, 40.150, 13.605

■ 75, 29.729, 11.934

■ 81, 19.683, 10.585

■ 87, 10.137, 9.463

■ 94, 1.143, 8.084

Harmonies

Complementary

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



51, 87.794, 30.757



86, 53.427, 179.229

Rectangle

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



51, 87.794, 30.757



51, 87.794, 80.757



51, 87.794, 210.757



51, 87.794, 260.757

Sweetspot

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



51, 87.791, 30.759



82, 26.632, 11.330



53, 109.379, 323.318



41, 18.111, 11.815



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, 87.791, 30.759



53, 98.222, 35.010



60, 81.734, 52.138



47, 5.059, 9.272



38, 75.889, 33.993



8, 29.220, 18.399

Inverse Universe

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



51, 87.791, 30.759



53, 98.222, 35.010



63, 49.821, 263.944



47, 5.059, 9.272



38, 75.889, 33.993



8, 29.220, 18.399

Previews

White Background



This preview shows how the CIELCh color 51, 87.794, 30.757 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, 87.794, 30.757 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, 87.794, 30.757

Background



This preview shows how black text looks on a background with the CIELCh color 51, 87.794, 30.757.



This preview shows how white text looks on a background with the CIELCh color 51, 87.794, 30.757.

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, 87.794, 30.757

Protanopia

51, 26.931, 95.008

Deuteranopia

51, 49.085, 81.998



Tritanopia
51, 94.025, 38.457

Trichromacy



Original Color
51, 87.794, 30.757

Protanomaly
47, 43.807, 38.256

Deuteranomaly
47, 59.010, 47.828

Tritanomaly
51, 91.722, 35.954

Monochromacy



Original Color
51, 87.794, 30.757

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 36.327, 16.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 87.794, 30.757 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, 21, 50)` looks like.

```
.text, #text, p{  
    color:rgb(240, 21, 50)  
}
```

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, 21, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 21, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 87.794, 30.757 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, 21, 50) }
```

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

```
.border{ border-color:rgb(240, 21, 50) }
```

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

Here you see how a box with a 4 pixel rgb(240, 21, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 21, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 21, 50);  
box-shadow:4px 4px 4px 4px rgb(240, 21,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 87.794, 30.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 21, 50) }
```

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

```
.background{ background-color: rgb(240, 21,  
50) }
```

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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