

Converting Colors

CIELCh(57, 87.245, 36.080)

Have a look what the booklet for
CIELCh(57, 87.245, 36.080) contains.

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Color

CIELCh(57, 87.390, 35.944)

Conversions

Conversions Part 1

Format	Color
Hex	FF3E33
RGB	255, 62, 51
RGB Percent	100%, 24%, 20%
CMY	0.0003, 0.7571, 0.8002
CMYK	0.00, 0.76, 0.80, 0.00
HSL	3°, 100%, 60%
HSV	3°, 80%, 100%
XYZ	43.5293, 24.9227, 5.6425
YIQ	118.4530, 118.5590, 37.4950

Conversions

Conversions Part 2

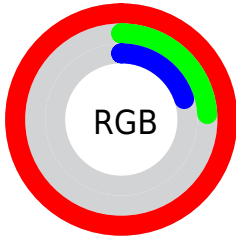
Format	Color
R_{YB}	255, 63, 51
Decimal	16727603
CIE Lab	57.00, 70.75, 51.30
CIE LCh	57, 87.390, 35.944
Yxy	24.9227, 0.5875, 0.3364
Android (android.graphics.Color)	4294917683 (0xFFFF3E33)
YUV	118.4530, -33.2543, 119.7517
Hunter-Lab	49.9226, 68.2759, 28.2446

Details

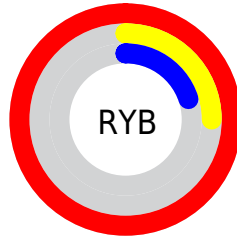
The CIELCh color **57, 87.390, 35.944** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **88, 45.026, 204.087**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 60.589, 37.722**, and **39, 82.537, 39.160** is the 20% darker color. If you saturate the color by 10%, you get **55, 97.452, 38.653**, and if you desaturate by 10%, it is **60, 75.652, 33.104**.

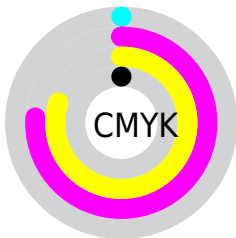
Distribution



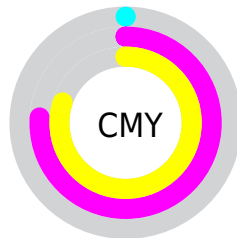
- Red (100%)
- Green (24%)
- Blue (20%)



- Red (100%)
- Yellow (25%)
- Blue (20%)



- Cyan (0%)
- Magenta (76%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 87.390, 35.944 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 57, 87.390, 35.944 by changing the saturation by 10% instead.

 57, 87.390, 35.944

 57, 87.390, 35.944

 100, 87.390,
35.944

 47, 87.390, 35.944

 77, 87.390, 35.944

 37, 87.390, 35.944

 87, 87.390, 35.944

 27, 87.390, 35.944

 97, 87.390, 35.944

 17, 87.390, 35.944

 7, 87.390, 35.944


 0, 87.390, 35.944

 57, 87.390, 35.944

 57, 87.390, 35.944

 55, 97.452, 38.653

 60, 75.652, 33.104

 54, 103.893,

 64, 63.437, 30.642

40.390

69, 51.320, 28.679

75, 39.643, 27.172

81, 28.610, 26.037

87, 18.321, 25.186

93, 8.798, 24.529

100, 0.017,
340.440

100, 0.026,
225.792

Harmonies

Complementary

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



57, 87.390, 35.944



88, 45.026, 204.087

Rectangle

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



57, 87.390, 35.944



57, 87.390, 85.944



57, 87.390, 215.944



57, 87.390, 265.944

Sweetspot

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



57, 87.387, 35.946



85, 22.336, 25.497



62, 104.947, 329.817



43, 15.567, 25.806



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 87.387, 35.946



54, 101.740, 39.749



75, 72.492, 69.205



50, 4.986, 24.498



40, 83.492, 40.543



10, 32.298, 29.810

Inverse Universe

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



88, 45.026, 204.087



87, 46.530, 205.229



59, 64.444, 280.941



52, 4.687, 203.890



67, 37.590, 205.405



22, 17.426, 204.243

Previews

White Background



This preview shows how the CIELCh color 57, 87.390, 35.944 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 57, 87.390, 35.944 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 57, 87.390, 35.944

Background



This preview shows how black text looks on a background with the CIELCh color 57, 87.390, 35.944.



This preview shows how white text looks on a background with the CIELCh color 57, 87.390, 35.944.

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

57, 87.390, 35.944

Protanopia

57, 36.633, 95.791

Deuteranopia

57, 54.708, 82.421



Tritanopia
57, 84.673, 32.530

Trichromacy



Original Color
57, 87.390, 35.944

Protanomaly
54, 47.255, 54.770

Deuteranomaly
55, 61.661, 56.393

Tritanomaly
57, 85.709, 33.761

Monochromacy



Original Color
57, 87.390, 35.944

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 31.419, 27.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 87.390, 35.944 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(255, 62, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 51)  
}
```

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(255, 62, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 87.390, 35.944 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(255, 62, 51) }
```

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

```
.border{ border-color:rgb(255, 62, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 62, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 62,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 87.390, 35.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 62, 51) }
```

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

```
.background{ background-color: rgb(255, 62,  
51) }
```

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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