

Converting Colors

CIELCh(52, 91.136, 37.737)

Have a look what the booklet for
CIELCh(52, 91.136, 37.737) contains.

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Color

CIELCh(52, 90.996, 37.704)

Conversions

Conversions Part 1

Format	Color
Hex	F0271E
RGB	240, 39, 30
RGB Percent	94%, 15%, 12%
CMY	0.0577, 0.8455, 0.8816
CMYK	0.00, 0.84, 0.87, 0.06
HSL	3°, 88%, 53%
HSV	3°, 87%, 94%
XYZ	37.0046, 20.1443, 3.1798
YIQ	98.0730, 122.6850, 39.8130

Conversions

Conversions Part 2

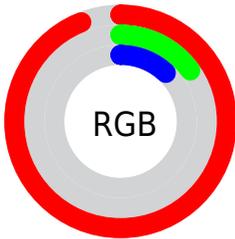
Format	Color
R_{YB}	240, 39, 30
Decimal	15738654
CIE _{Lab}	52.00, 71.99, 55.65
CIE _{LCh}	52, 90.996, 37.704
Yxy	20.1443, 0.6134, 0.3339
Android (android.graphics.Color)	4293928734 (0xFFFF0271E)
YUV	98.0730, -33.5600, 124.4700
Hunter-Lab	44.8824, 68.6252, 27.2172

Details

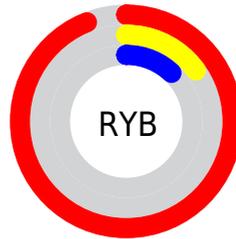
The CIELCh color **52, 90.996, 37.704** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **84, 44.481, 202.919**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 70.382, 39.036**, and **36, 78.442, 39.934** is the 20% darker color. If you saturate the color by 10%, you get **51, 98.058, 39.815**, and if you desaturate by 10%, it is **54, 80.849, 34.740**.

Distribution



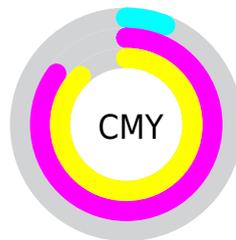
- Red (94%)
- Green (15%)
- Blue (12%)



- Red (94%)
- Yellow (15%)
- Blue (12%)



- Cyan (0%)
- Magenta (84%)
- Yellow (87%)
- Black (6%)



- Cyan (6%)
- Magenta (85%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 90.996, 37.704 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 52, 90.996, 37.704 by changing the saturation by 10% instead.

 52, 90.996, 37.704

 52, 90.996, 37.704

 100, 90.996,
37.704

 42, 90.996, 37.704

 72, 90.996, 37.704

 32, 90.996, 37.704

 82, 90.996, 37.704

 22, 90.996, 37.704

 92, 90.996, 37.704

 12, 90.996, 37.704

 2, 90.996, 37.704

 0, 90.996, 37.704

 52, 90.996, 37.704

 52, 90.996, 37.704

 51, 98.058, 39.815

 54, 80.849, 34.740

 50, 99.434, 40.331

 58, 69.498, 31.858

62, 57.836, 29.437

67, 46.336, 27.530

72, 35.293, 26.071

78, 24.883, 24.970

84, 15.187, 24.136

90, 6.215, 23.466

97, 2.064, 203.425

Harmonies

Complementary

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



52, 90.996, 37.704



84, 44.481, 202.919

Rectangle

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



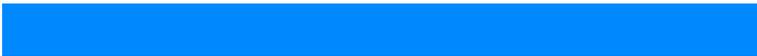
52, 90.996, 37.704



52, 90.996, 87.704



52, 90.996, 217.704



52, 90.996, 267.704

Sweetspot

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



52, 90.993, 37.706



83, 24.619, 24.844



57, 104.875, 329.382



42, 16.920, 25.179



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 90.993, 37.706



53, 104.053, 40.308



68, 74.488, 66.199



47, 4.783, 23.599



38, 81.096, 40.463



8, 28.886, 26.182

Inverse Universe

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



84, 44.481, 202.919



88, 47.196, 203.727



54, 65.259, 282.440



49, 4.500, 202.923



65, 36.916, 203.571



20, 16.238, 202.516

Previews

White Background



This preview shows how the CIELCh color 52, 90.996, 37.704 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 52, 90.996, 37.704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

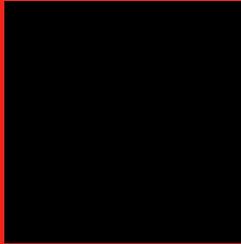
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 90.996, 37.704

Background



This preview shows how black text looks on a background with the CIELCh color 52, 90.996, 37.704.



This preview shows how white text looks on a background with the CIELCh color 52, 90.996, 37.704.

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

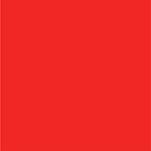
52, 90.996, 37.704

Protanopia

52, 41.922, 95.765

Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 89.472, 36.300

Trichromacy



Original Color
52, 90.996, 37.704

Protanomaly
49, 51.831, 55.453

Deuteranomaly
49, 66.197, 57.394

Tritanomaly
52, 89.987, 36.787

Monochromacy



Original Color
52, 90.996, 37.704

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 34.212, 28.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 90.996, 37.704 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, 39, 30)` looks like.

```
.text, #text, p{  
    color:rgb(240, 39, 30)  
}
```

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, 39, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 39, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 90.996, 37.704 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, 39, 30) }
```

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

```
.border{ border-color:rgb(240, 39, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 39, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 39, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 39, 30);  
box-shadow:4px 4px 4px 4px rgb(240, 39,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 90.996, 37.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 39, 30) }
```

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

```
.background{ background-color: rgb(240, 39,  
30) }
```

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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