

Converting Colors

CIELCh(53, 93.715, 37.105)

Have a look what the booklet for
CIELCh(53, 93.715, 37.105) contains.

CIELCh(53, 93.727, 37.208)	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(53, 93.727, 37.208)

Conversions

Conversions Part 1

Format	Color
Hex	F7231F
RGB	247, 35, 31
RGB Percent	97%, 14%, 12%
CMY	0.0318, 0.8633, 0.8787
CMYK	0.00, 0.86, 0.87, 0.03
HSL	1°, 93%, 54%
HSV	1°, 87%, 97%
XYZ	39.1629, 21.0462, 3.2891
YIQ	97.9320, 127.6360, 43.7000

Conversions

Conversions Part 2

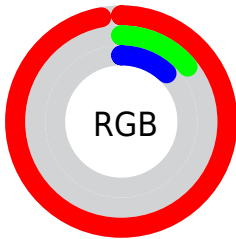
Format	Color
R_{YB}	247, 35, 31
Decimal	16196383
CIE Lab	53.00, 74.65, 56.68
CIE LCh	53, 93.727, 37.208
Yxy	21.0462, 0.6168, 0.3314
Android (android.graphics.Color)	4294386463 (0xFFFF7231F)
YUV	97.9320, -32.9975, 130.7326
Hunter-Lab	45.8761, 72.0964, 27.8624

Details

The CIELCh color **53, 93.727, 37.208** 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, 46.842, 199.055**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 70.324, 38.330**, and **38, 80.830, 39.985** is the 20% darker color. If you saturate the color by 10%, you get **52, 100.531, 39.605**, and if you desaturate by 10%, it is **55, 83.626, 33.893**.

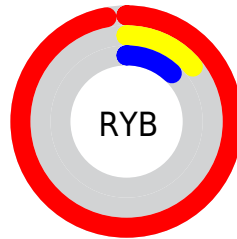
Distribution



Red (97%)

Green (14%)

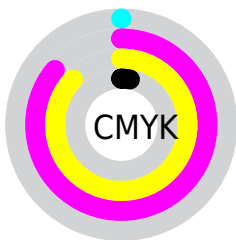
Blue (12%)



Red (97%)

Yellow (14%)

Blue (12%)

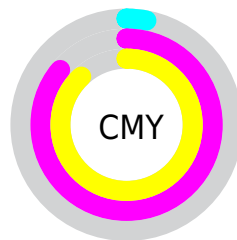


Cyan (0%)

Magenta (86%)

Yellow (87%)

Black (3%)



Cyan (3%)

Magenta (86%)

Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 93.727, 37.208 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 53, 93.727, 37.208 by changing the saturation by 10% instead.

 53, 93.727, 37.208

 53, 93.727, 37.208

 100, 93.727,
37.208

 43, 93.727, 37.208

 73, 93.727, 37.208

 33, 93.727, 37.208

 83, 93.727, 37.208

 23, 93.727, 37.208

 93, 93.727, 37.208


 13, 93.727, 37.208

 3, 93.727, 37.208

 0, 93.727, 37.208

 53, 93.727, 37.208

 53, 93.727, 37.208

 52, 100.531,
39.605

 55, 83.626, 33.893

 59, 72.166, 30.682

52, 101.824,
40.134

63, 60.259, 27.989

68, 48.405, 25.867

73, 36.944, 24.239

79, 26.090, 23.000

86, 15.951, 22.051

92, 6.554, 21.282

99, 2.125, 201.144

Harmonies

Complementary

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



53, 93.727, 37.208



88, 46.842, 199.055

Rectangle

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



53, 93.727, 37.208



53, 93.727, 87.208



53, 93.727, 217.208



53, 93.727, 267.208

Sweetspot

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



53, 93.724, 37.210



83, 25.203, 22.848



59, 108.422, 328.753



42, 17.316, 23.226



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 93.724, 37.210



53, 104.356, 40.128



69, 76.369, 64.695



48, 4.989, 21.431



39, 82.295, 40.190



9, 30.621, 25.972

Inverse Universe

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



88, 46.842, 199.055



90, 48.816, 199.332



56, 64.733, 280.911



50, 4.695, 200.576



68, 38.554, 199.274



21, 17.198, 198.883

Previews

White Background



This preview shows how the CIELCh color 53, 93.727, 37.208 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 53, 93.727, 37.208 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 53, 93.727, 37.208

Background



This preview shows how black text looks on a background with the CIELCh color 53, 93.727, 37.208.



This preview shows how white text looks on a background with the CIELCh color 53, 93.727, 37.208.

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

53, 93.727, 37.208

Protanopia

53, 41.966, 95.222

Deuteranopia

53, 59.517, 83.789



Tritanopia
53, 93.727, 37.208

Trichromacy



Original Color
53, 93.727, 37.208

Protanomaly
49, 53.196, 53.513

Deuteranomaly
50, 67.878, 56.798

Tritanomaly
53, 93.727, 37.208

Monochromacy



Original Color
53, 93.727, 37.208

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 35.646, 25.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 93.727, 37.208 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(247, 35, 31)` looks like.

```
.text, #text, p{  
    color:rgb(247, 35, 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(247, 35, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 35, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 93.727, 37.208 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(247, 35, 31) }
```

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

```
.border{ border-color:rgb(247, 35, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 35, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 35, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 35, 31);  
box-shadow:4px 4px 4px 4px rgb(247, 35,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 93.727, 37.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 35, 31) }
```

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

```
.background{ background-color: rgb(247, 35,  
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](#).

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