

Converting Colors

CIELCh(53, 74.680, 37.875)

Have a look what the booklet for
CIELCh(53, 74.680, 37.875) contains.

CIELCh(53, 75.041, 37.943)	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, 75.041, 37.943)

Conversions

Conversions Part 1

Format	Color
Hex	E34732
RGB	227, 71, 50
RGB Percent	89%, 28%, 20%
CMY	0.1101, 0.7218, 0.8041
CMYK	0.00, 0.69, 0.78, 0.11
HSL	7°, 76%, 54%
HSV	7°, 78%, 89%
XYZ	34.4783, 21.0462, 5.2566
YIQ	115.2500, 99.7170, 26.5410

Conversions

Conversions Part 2

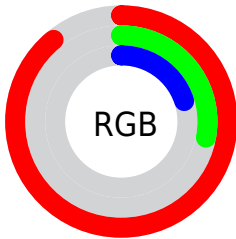
Format	Color
R_{YB}	227, 74, 50
Decimal	14894898
CIE _{Lab}	53.00, 59.18, 46.14
CIE _{LCh}	53, 75.041, 37.943
Yxy	21.0462, 0.5673, 0.3463
Android (android.graphics.Color)	4293084978 (0xFFE34732)
YUV	115.2500, -32.1682, 98.0048
Hunter-Lab	45.8761, 53.8690, 25.3197

Details

The CIELCh color **53, 75.041, 37.943** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **76, 38.564, 214.177**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 59.947, 40.010**, and **34, 73.832, 39.029** is the 20% darker color. If you saturate the color by 10%, you get **50, 85.096, 39.865**, and if you desaturate by 10%, it is **56, 64.054, 35.987**.

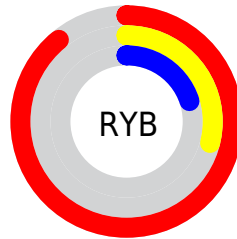
Distribution



Red (89%)

Green (28%)

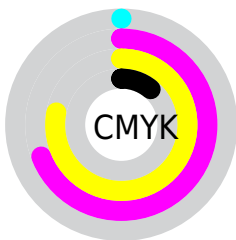
Blue (20%)



Red (89%)

Yellow (29%)

Blue (20%)

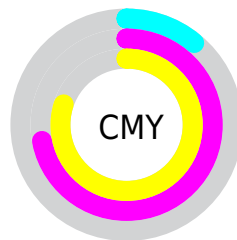


Cyan (0%)

Magenta (69%)

Yellow (78%)

Black (11%)



Cyan (11%)

Magenta (72%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 75.041, 37.943 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, 75.041, 37.943 by changing the saturation by 10% instead.

■ 53, 75.041, 37.943

■ 53, 75.041, 37.943

■ 100, 75.041,
37.943

■ 43, 75.041, 37.943

■ 73, 75.041, 37.943

■ 33, 75.041, 37.943

■ 83, 75.041, 37.943

■ 23, 75.041, 37.943

■ 93, 75.041, 37.943

■ 13, 75.041, 37.943

■ 3, 75.041, 37.943

■ 0, 75.041, 37.943

■ 53, 75.041, 37.943

■ 53, 75.041, 37.943

■ 50, 85.096, 39.865

■ 56, 64.054, 35.987

■ 49, 92.532, 41.022

■ 60, 53.016, 34.323

48, 93.805, 41.294

65, 42.337, 33.025

70, 32.228, 32.062

75, 22.789, 31.375

80, 14.047, 30.900

86, 5.984, 30.551

91, 1.446, 210.913

97, 8.301, 210.497

Harmonies

Complementary

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



53, 75.041, 37.943



76, 38.564, 214.177

Rectangle

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



53, 75.041, 37.943



53, 75.041, 87.943



53, 75.041, 217.943



53, 75.041, 267.943

Sweetspot

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



53, 75.038, 37.945



86, 20.173, 31.123



55, 90.386, 332.344



44, 14.176, 31.308



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, 75.038, 37.945



55, 98.718, 40.727



70, 65.090, 75.689



44, 4.240, 30.600



37, 77.241, 41.557



7, 23.547, 27.227

Inverse Universe

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



76, 38.564, 214.177



83, 43.891, 217.161



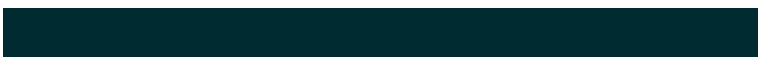
51, 63.876, 285.569



46, 3.988, 210.514



59, 33.386, 217.916



15, 13.891, 213.988

Previews

White Background



This preview shows how the CIELCh color 53, 75.041, 37.943 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, 75.041, 37.943 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, 75.041, 37.943

Background



This preview shows how black text looks on a background with the CIELCh color 53, 75.041, 37.943.



This preview shows how white text looks on a background with the CIELCh color 53, 75.041, 37.943.

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, 75.041, 37.943

Protanopia

53, 34.830, 95.867

Deuteranopia

53, 49.056, 82.371



Tritanopia
53, 70.571, 29.415

Trichromacy



Original Color
53, 75.041, 37.943

Protanomaly
51, 42.501, 59.661

Deuteranomaly
52, 54.366, 59.214

Tritanomaly
53, 72.307, 32.854

Monochromacy



Original Color
53, 75.041, 37.943

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 26.240, 32.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 75.041, 37.943 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(227, 71, 50)` looks like.

```
.text, #text, p{  
    color:rgb(227, 71, 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(227, 71, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 71, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 75.041, 37.943 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(227, 71, 50) }
```

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

```
.border{ border-color:rgb(227, 71, 50) }
```

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

Here you see how a box with a 4 pixel rgb(227, 71, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 71, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 71, 50);  
box-shadow:4px 4px 4px 4px rgb(227, 71,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 75.041, 37.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 71, 50) }
```

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

```
.background{ background-color: rgb(227, 71,  
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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