

Converting Colors

CIELCh(53, 99.902, 37.093)

Have a look what the booklet for
CIELCh(53, 99.902, 37.093) contains.

CIELCh(53, 99.728, 37.022)	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, 99.728, 37.022)

Conversions

Conversions Part 1

Format	Color
Hex	FD0418
RGB	253, 4, 24
RGB Percent	99%, 2%, 9%
CMY	0.0074, 0.9862, 0.9055
CMYK	0.00, 0.99, 0.90, 0.01
HSL	355°, 99%, 50%
HSV	355°, 99%, 99%
XYZ	40.7550, 21.0462, 2.7835
YIQ	80.7310, 141.9840, 59.0080

Conversions

Conversions Part 2

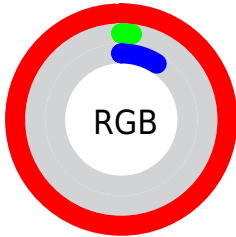
Format	Color
RYB	253, 4, 24
Decimal	16581656
CIELab	53.00, 79.62, 60.05
CIELCh	53, 99.728, 37.022
Yxy	21.0462, 0.6310, 0.3259
Android (android.graphics.Color)	4294771736 (0xFFFD0418)
YUV	80.7310, -27.9684, 151.0799
Hunter-Lab	45.8761, 78.2908, 28.5159

Details

The CIELCh color **53, 99.728, 37.022** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **90, 53.646, 184.485**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 74.063, 37.446**, and **39, 82.501, 39.999** is the 20% darker color. If you saturate the color by 10%, you get **53, 100.568, 37.466**, and if you desaturate by 10%, it is **54, 92.380, 32.885**.

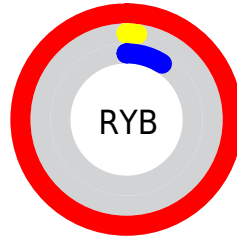
Distribution



Red (99%)

Green (2%)

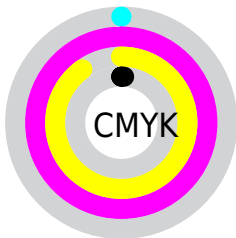
Blue (9%)



Red (99%)

Yellow (2%)

Blue (9%)

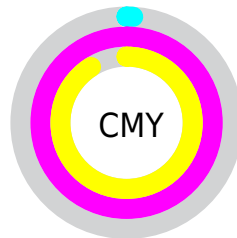


Cyan (0%)

Magenta (99%)

Yellow (90%)

Black (1%)



Cyan (1%)

Magenta (99%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 99.728, 37.022 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, 99.728, 37.022 by changing the saturation by 10% instead.

 53, 99.728, 37.022

 53, 99.728, 37.022

 100, 99.728,
37.022

 43, 99.728, 37.022

 73, 99.728, 37.022

 33, 99.728, 37.022

 83, 99.728, 37.022

 23, 99.728, 37.022

 93, 99.728, 37.022


 13, 99.728, 37.022

 3, 99.728, 37.022

 0, 99.728, 37.022

 53, 99.728, 37.022

 53, 99.728, 37.022

 53, 100.568,
37.466

 54, 92.380, 32.885

 56, 83.159, 28.485

■ 59, 72.809, 24.595

■ 64, 61.750, 21.422

■ 69, 50.378, 18.923

■ 74, 39.072, 16.971

■ 80, 28.122, 15.439

■ 87, 17.710, 14.216

■ 94, 7.921, 13.197

Harmonies

Complementary

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



53, 99.728, 37.022



90, 53.646, 184.485

Rectangle

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



53, 99.728, 37.022



53, 99.728, 87.022



53, 99.728, 217.022



53, 99.728, 267.022

Sweetspot

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



53, 99.724, 37.024



80, 29.789, 15.632



56, 115.269, 324.957



40, 20.581, 16.255



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, 99.724, 37.024



53, 101.152, 37.481



63, 87.904, 53.817



50, 5.275, 13.284



40, 80.787, 36.796



10, 32.724, 23.841

Inverse Universe

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



53, 99.724, 37.024



53, 101.152, 37.481



60, 60.853, 274.957



50, 5.275, 13.284



40, 80.787, 36.796



10, 32.724, 23.841

Previews

White Background



This preview shows how the CIELCh color 53, 99.728, 37.022 looks on a white background.

Color Contrast Check

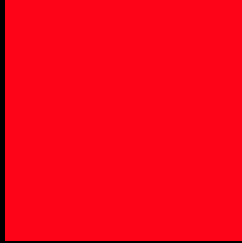
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.728, 37.022 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, 99.728, 37.022

Background



This preview shows how black text looks on a background with the CIELCh color 53, 99.728, 37.022.



This preview shows how white text looks on a background with the CIELCh color 53, 99.728, 37.022.

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, 99.683, 37.053

Protanopia

53, 45.159, 95.494

Deuteranopia

53, 59.517, 83.789



Tritanopia
53, 101.999, 40.807

Trichromacy



Original Color
53, 99.683, 37.053

Protanomaly
47, 58.139, 49.447

Deuteranomaly
48, 71.186, 52.020

Tritanomaly
53, 101.468, 39.517

Monochromacy



Original Color
53, 99.683, 37.053

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 42.163, 21.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 99.728, 37.022 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(253, 4, 24)` looks like.

```
.text, #text, p{  
    color:rgb(253, 4, 24)  
}
```

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(253, 4, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 4, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 99.728, 37.022 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(253, 4, 24) }
```

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

```
.border{ border-color:rgb(253, 4, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 4, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 4, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 4, 24);  
box-shadow:4px 4px 4px 4px rgb(253, 4, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 99.728, 37.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 4, 24) }
```

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

```
.background{ background-color: rgb(253, 4,  
24) }
```

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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