

Converting Colors

CIELCh(52, 102.128, 39.956)

Have a look what the booklet for
CIELCh(52, 102.128, 39.956)
contains.

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Color

CIELCh(52, 102.347, 40.001)

Conversions

Conversions Part 1

Format	Color
Hex	F90301
RGB	249, 3, 1
RGB Percent	98%, 1%, 0%
CMY	0.0248, 0.9885, 0.9972
CMYK	0.00, 0.99, 1.00, 0.02
HSL	1°, 99%, 49%
HSV	1°, 100%, 98%
XYZ	38.9871, 20.1443, 1.8539
YIQ	76.3260, 147.2580, 51.5300

Conversions

Conversions Part 2

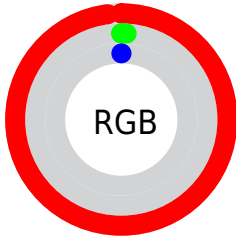
Format	Color
RYB	249, 3, 1
Decimal	16319233
CIELab	52.00, 78.40, 65.79
CIELCh	52, 102.347, 40.001
Yxy	20.1443, 0.6393, 0.3303
Android (android.graphics.Color)	4294509313 (0xFFFF90301)
YUV	76.3260, -37.1357, 151.4351
Hunter-Lab	44.8824, 76.5098, 28.9687

Details

The CIELCh color **52, 102.347, 40.001** 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 **88, 48.521, 197.801**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 78.318, 41.488**, and **38, 81.167, 39.990** is the 20% darker color. If you saturate the color by 10%, you get **52, 102.496, 40.065**, and if you desaturate by 10%, it is **53, 96.376, 37.730**.

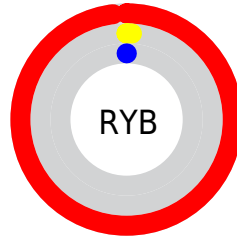
Distribution



Red (98%)

Green (1%)

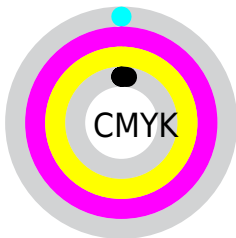
Blue (0%)



Red (98%)

Yellow (1%)

Blue (0%)

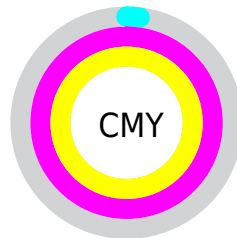


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (99%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 102.347, 40.001 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, 102.347, 40.001 by changing the saturation by 10% instead.


 52, 102.347,
40.001


 52, 102.347,
40.001


 100, 102.347,
40.001


 42, 102.347,
40.001


 72, 102.347,
40.001

 32, 102.347,
40.001

 82, 102.347,
40.001

 22, 102.347,
40.001

 92, 102.347,
40.001

 12, 102.347,
40.001

 2, 102.347, 40.001

 0, 102.347, 40.001

■ 52, 102.347,
40.001

■ 52, 102.347,
40.001

■ 52, 102.496,
40.065

■ 53, 96.376, 37.730

■ 55, 86.863, 34.384

■ 58, 75.608, 30.970

■ 62, 63.703, 28.046

■ 67, 51.712, 25.719

■ 72, 40.016, 23.926

■ 78, 28.873, 22.558

■ 85, 18.425, 21.511

■ 91, 8.723, 20.681

Harmonies

Complementary

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



52, 102.347, 40.001



88, 48.521, 197.801

Rectangle

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



52, 102.347, 40.001



52, 102.347, 90.001



52, 102.347, 220.001



52, 102.347, 270.001

Sweetspot

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



52, 102.343, 40.003



80, 29.789, 22.598



59, 113.340, 328.231



40, 20.645, 23.135



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, 102.343, 40.003



53, 104.468, 40.063



65, 83.817, 59.917



49, 5.121, 20.665



39, 83.267, 40.092



9, 32.002, 26.593

Inverse Universe

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



88, 48.521, 197.801



90, 49.466, 197.806



53, 71.965, 284.840



51, 4.820, 199.745



69, 39.455, 197.780



22, 17.880, 197.602

Previews

White Background



This preview shows how the CIELCh color 52, 102.347, 40.001 looks on a white background.

Color Contrast Check

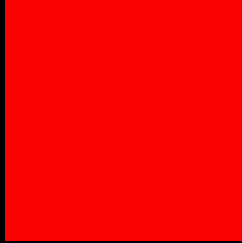
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 52, 102.347, 40.001 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, 102.347, 40.001

Background



This preview shows how black text looks on a background with the CIELCh color 52, 102.347, 40.001.



This preview shows how white text looks on a background with the CIELCh color 52, 102.347, 40.001.

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, 102.395, 39.972

Protanopia
53, 50.031, 95.600

Deuteranopia
52, 58.737, 83.968



Tritanopia
52, 100.718, 40.837

Trichromacy



Original Color
52, 102.395, 39.972



Protanomaly
47, 62.564, 53.600



Deuteranomaly
47, 71.950, 53.254



Tritanomaly
52, 101.565, 40.501

Monochromacy



Original Color
52, 102.395, 39.972



Achromatopsia
32, 0.005, 296.813



Achromatomaly
34, 43.477, 28.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 102.347, 40.001 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(249, 3, 1)` looks like.

```
.text, #text, p{  
    color:rgb(249, 3, 1)  
}
```

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(249, 3, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 3, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 102.347, 40.001 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(249, 3, 1) }
```

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

```
.border{ border-color:rgb(249, 3, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 3, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 3, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(249, 3, 1); box-shadow:4px  
4px 4px 4px rgb(249, 3, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 102.347, 40.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 3, 1) }
```

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

```
.background{ background-color: rgb(249, 3,  
1) }
```

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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