

Converting Colors

CIELCh(52, 96.696, 42.025)

Have a look what the booklet for
CIELCh(52, 96.696, 42.025) contains.

CIELCh(52, 96.812, 41.992)	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(52, 96.812, 41.992)

Conversions

Conversions Part 1

Format	Color
Hex	F12701
RGB	241, 39, 1
RGB Percent	95%, 15%, 0%
CMY	0.0550, 0.8472, 0.9962
CMYK	0.00, 0.84, 1.00, 0.06
HSL	10°, 99%, 47%
HSV	10°, 100%, 94%
XYZ	36.9925, 20.1443, 1.9663
YIQ	95.0660, 132.5900, 31.0060

Conversions

Conversions Part 2

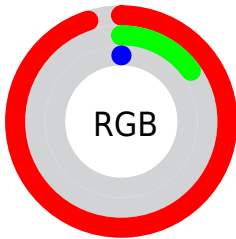
Format	Color
R_{YB}	241, 46, 1
Decimal	15804161
CIE _{Lab}	52.00, 71.95, 64.77
CIE _{LCh}	52, 96.812, 41.992
Yxy	20.1443, 0.6259, 0.3408
Android (android.graphics.Color)	4293994241 (0xFFFF12701)
YUV	95.0660, -46.3745, 127.9841
Hunter-Lab	44.8824, 68.5769, 28.8203

Details

The CIELCh color **52, 96.812, 41.992** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **75, 41.693, 226.922**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 75.776, 44.651**, and **36, 78.442, 39.934** is the 20% darker color. If you saturate the color by 10%, you get **52, 97.078, 42.027**, and if you desaturate by 10%, it is **54, 89.344, 41.489**.

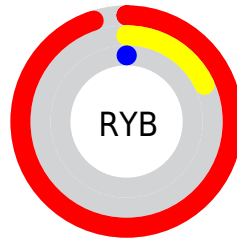
Distribution



Red (95%)

Green (15%)

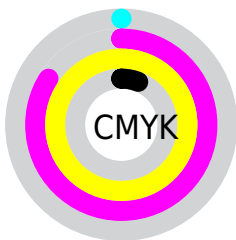
Blue (0%)



Red (95%)

Yellow (18%)

Blue (0%)

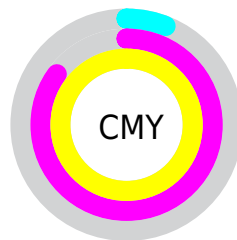


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (85%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 96.812, 41.992 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, 96.812, 41.992 by changing the saturation by 10% instead.

 52, 96.812, 41.992

 52, 96.812, 41.992

 100, 96.812,
41.992

 42, 96.812, 41.992

 72, 96.812, 41.992

 32, 96.812, 41.992

 82, 96.812, 41.992

 22, 96.812, 41.992

 92, 96.812, 41.992

 12, 96.812, 41.992

 2, 96.812, 41.992

 0, 96.812, 41.992

 52, 96.812, 41.992

 52, 96.812, 41.992

 52, 97.078, 42.027

 54, 89.344, 41.489

 57, 79.043, 40.191

60, 67.611, 38.690

64, 56.104, 37.376

69, 44.997, 36.357

74, 34.512, 35.627

79, 24.741, 35.144

84, 15.704, 34.853

90, 7.375, 34.687

Harmonies

Complementary

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



52, 96.812, 41.992



75, 41.693, 226.922

Rectangle

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



52, 96.812, 41.992



52, 96.812, 91.992



52, 96.812, 221.992



52, 96.812, 271.992

Sweetspot

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



52, 96.808, 41.994



83, 26.309, 35.162



55, 98.250, 335.370



42, 18.271, 35.345



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, 96.808, 41.994



55, 101.416, 41.970



71, 78.922, 73.624



47, 4.345, 34.685



40, 78.785, 42.364



9, 26.817, 32.642

Inverse Universe

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



75, 41.693, 226.922



79, 43.539, 227.152



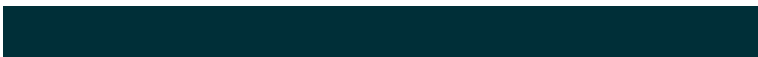
43, 92.449, 296.138



49, 4.088, 214.940



59, 34.023, 226.454



17, 14.919, 221.723

Previews

White Background



This preview shows how the CIELCh color 52, 96.812, 41.992 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, 96.812, 41.992 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, 96.812, 41.992

Background



This preview shows how black text looks on a background with the CIELCh color 52, 96.812, 41.992.



This preview shows how white text looks on a background with the CIELCh color 52, 96.812, 41.992.

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, 96.812, 41.992

Protanopia

52, 50.356, 95.558

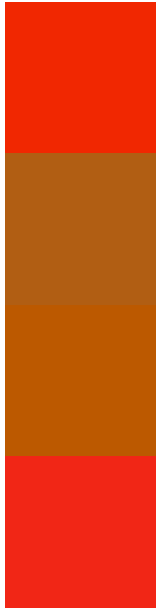
Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 90.605, 36.595

Trichromacy



Original Color
52, 96.812, 41.992

Protanomaly
49, 60.085, 61.114

Deuteranomaly
49, 68.596, 58.404

Tritanomaly
52, 93.346, 39.189

Monochromacy



Original Color
52, 96.812, 41.992

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 36.791, 37.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 96.812, 41.992 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(241, 39, 1)` looks like.

```
.text, #text, p{  
    color:rgb(241, 39, 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(241, 39, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 39, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 96.812, 41.992 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(241, 39, 1) }
```

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

```
.border{ border-color:rgb(241, 39, 1) }
```

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

Here you see how a box with a 4 pixel rgb(241, 39, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 39, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 39, 1);  
box-shadow:4px 4px 4px 4px rgb(241, 39, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 96.812, 41.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 39, 1) }
```

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

```
.background{ background-color: rgb(241, 39,  
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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