

Converting Colors

CIELCh(52, 97.060, 42.315)

Have a look what the booklet for
CIELCh(52, 97.060, 42.315) contains.

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Color

CIELCh(52, 96.838, 42.204)

Conversions

Conversions Part 1

Format	Color
Hex	F12800
RGB	241, 40, 0
RGB Percent	95%, 16%, 0%
CMY	0.0560, 0.8445, 1.0000
CMYK	0.00, 0.84, 1.00, 0.06
HSL	10°, 100%, 47%
HSV	10°, 100%, 94%
XYZ	36.9254, 20.1443, 1.9346
YIQ	95.5390, 132.6360, 30.1720

Conversions

Conversions Part 2

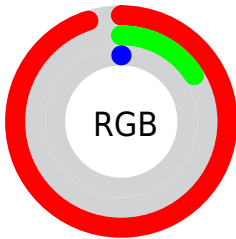
Format	Color
R_{YB}	241, 48, 0
Decimal	15804416
CIE _{Lab}	52.00, 71.73, 65.05
CIE _{LCh}	52, 96.838, 42.204
Yxy	20.1443, 0.6258, 0.3414
Android (android.graphics.Color)	4293994496 (0xFFFF12800)
YUV	95.5390, -47.1007, 127.5693
Hunter-Lab	44.8824, 68.3100, 28.8621

Details

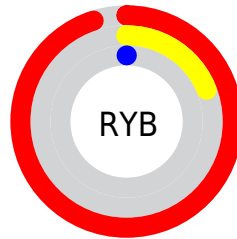
The CIELCh color **52, 96.838, 42.204** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **75, 41.685, 228.462**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 76.082, 44.922**, and **36, 78.442, 39.934** is the 20% darker color. If you saturate the color by 10%, you get **52, 96.792, 42.176**, and if you desaturate by 10%, it is **54, 89.387, 41.757**.

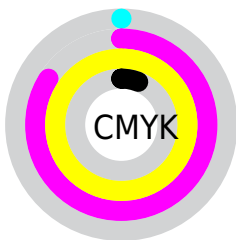
Distribution



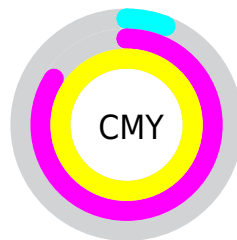
- Red (95%)
- Green (16%)
- Blue (0%)



- Red (95%)
- Yellow (19%)
- Blue (0%)



- Cyan (0%)
- Magenta (84%)
- Yellow (100%)
- Black (6%)



- Cyan (6%)
- Magenta (84%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 96.838, 42.204 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, 96.838, 42.204 by changing the saturation by 10% instead.

 52, 96.838, 42.204

 52, 96.838, 42.204

 100, 96.838,
42.204

 42, 96.838, 42.204

 72, 96.838, 42.204

 32, 96.838, 42.204

 82, 96.838, 42.204

 22, 96.838, 42.204

 92, 96.838, 42.204

 12, 96.838, 42.204

 2, 96.838, 42.204

 0, 96.838, 42.204

 52, 96.838, 42.204

 52, 96.838, 42.204

 52, 96.792, 42.176

 54, 89.387, 41.757

 57, 79.168, 40.568

60, 67.774, 39.145

64, 56.291, 37.887

69, 45.204, 36.913

73, 34.739, 36.220

79, 24.987, 35.769

84, 15.969, 35.508

89, 7.656, 35.371

Harmonies

Complementary

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



52, 96.838, 42.204



75, 41.685, 228.462

Rectangle

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



52, 96.838, 42.204



52, 96.838, 92.204



52, 96.838, 222.204



52, 96.838, 272.204

Sweetspot

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



52, 96.792, 42.176



83, 26.193, 35.772



55, 98.201, 335.401



42, 18.191, 35.938



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, 96.792, 42.176



55, 101.198, 42.116



71, 78.975, 73.521



47, 4.326, 35.365



40, 78.604, 42.524



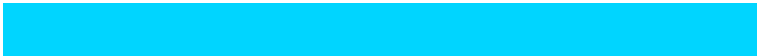
9, 26.720, 33.007

Inverse Universe

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



75, 41.685, 228.462



79, 43.546, 228.575



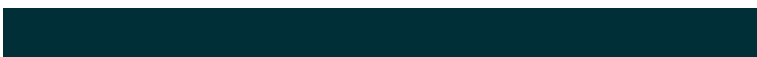
42, 92.773, 296.272



49, 4.070, 215.677



58, 34.019, 227.847



17, 14.894, 222.900

Previews

White Background



This preview shows how the CIELCh color 52, 96.838, 42.204 looks on a white background.

Color Contrast Check

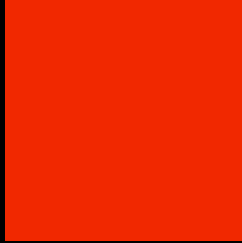
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.838, 42.204 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, 96.838, 42.204

Background



This preview shows how black text looks on a background with the CIELCh color 52, 96.838, 42.204.



This preview shows how white text looks on a background with the CIELCh color 52, 96.838, 42.204.

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, 96.838, 42.204

Protanopia

52, 50.356, 95.558

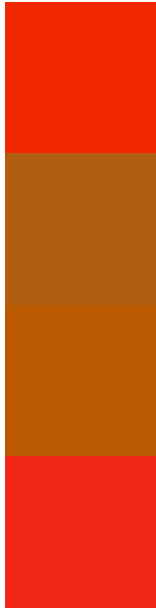
Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 90.221, 36.460

Trichromacy



Original Color
52, 96.838, 42.204

Protanomaly
49, 60.085, 61.114

Deuteranomaly
49, 68.075, 59.042

Tritanomaly
52, 93.215, 39.292

Monochromacy



Original Color
52, 96.838, 42.204

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 37.080, 38.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 96.838, 42.204 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, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 40, 0)  
}
```

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, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 40, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 96.838, 42.204 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, 40, 0) }
```

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

```
.border{ border-color:rgb(241, 40, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 40, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 96.838, 42.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 40, 0) }
```

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

```
.background{ background-color: rgb(241, 40,  
0) }
```

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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