

Converting Colors

CIELCh(52, 84.956, 42.164)

Have a look what the booklet for
CIELCh(52, 84.956, 42.164) contains.

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Color

CIELCh(52, 84.977, 42.083)

Conversions

Conversions Part 1

Format	Color
Hex	E63D19
RGB	230, 61, 25
RGB Percent	90%, 24%, 10%
CMY	0.0993, 0.7619, 0.9030
CMYK	0.00, 0.74, 0.89, 0.10
HSL	11°, 81%, 50%
HSV	11°, 89%, 90%
XYZ	34.3562, 20.1443, 2.9826
YIQ	107.4270, 112.2800, 24.6320

Conversions

Conversions Part 2

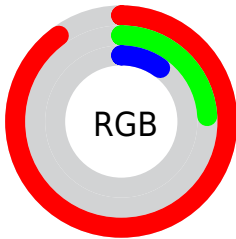
Format	Color
R_{YB}	230, 69, 25
Decimal	15088921
CIE _{Lab}	52.00, 63.07, 56.95
CIE _{LCh}	52, 84.977, 42.083
Yxy	20.1443, 0.5977, 0.3504
Android (android.graphics.Color)	4293279001 (0xFFE63D19)
YUV	107.4270, -40.6365, 107.4965
Hunter-Lab	44.8824, 58.0922, 27.4777

Details

The CIELCh color **52, 84.977, 42.083** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **72, 39.527, 227.182**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 68.569, 44.986**, and **34, 75.287, 39.810** is the 20% darker color. If you saturate the color by 10%, you get **50, 92.465, 42.439**, and if you desaturate by 10%, it is **55, 74.947, 40.989**.

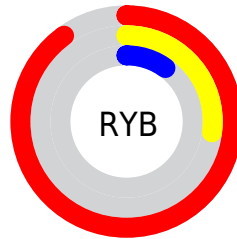
Distribution



Red (90%)

Green (24%)

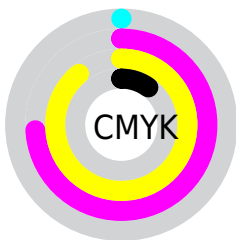
Blue (10%)



Red (90%)

Yellow (27%)

Blue (10%)

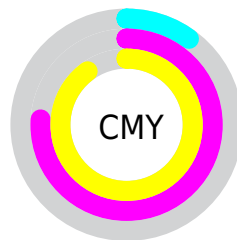


Cyan (0%)

Magenta (74%)

Yellow (89%)

Black (10%)



Cyan (10%)

Magenta (76%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 84.977, 42.083 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, 84.977, 42.083 by changing the saturation by 10% instead.

52, 84.977, 42.083

52, 84.977, 42.083

100, 84.977,
42.083

42, 84.977, 42.083

72, 84.977, 42.083

32, 84.977, 42.083

82, 84.977, 42.083

22, 84.977, 42.083

92, 84.977, 42.083

12, 84.977, 42.083

2, 84.977, 42.083

0, 84.977, 42.083

52, 84.977, 42.083

52, 84.977, 42.083

50, 92.465, 42.439

55, 74.947, 40.989

50, 92.993, 42.494

58, 63.959, 39.704

62, 52.967, 38.585

66, 42.398, 37.732

71, 32.445, 37.144

76, 23.183, 36.780

81, 14.622, 36.594

86, 6.730, 36.516

92, 0.543, 217.807

Harmonies

Complementary

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



52, 84.977, 42.083



72, 39.527, 227.182

Rectangle

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



52, 84.977, 42.083



52, 84.977, 92.083



52, 84.977, 222.083



52, 84.977, 272.083

Sweetspot

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



52, 84.974, 42.085



85, 23.109, 36.729



53, 92.420, 335.401



43, 15.798, 36.818



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, 84.974, 42.085



55, 100.818, 42.375



71, 72.992, 77.842



45, 4.143, 36.518



39, 76.621, 42.850



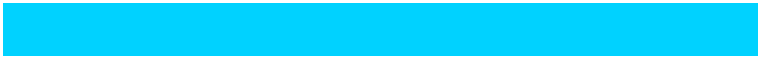
8, 24.006, 31.684

Inverse Universe

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



72, 39.527, 227.182



78, 43.612, 230.967



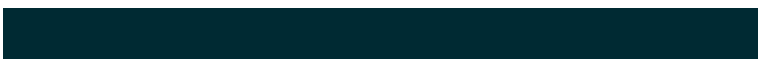
44, 81.055, 293.290



47, 3.902, 216.926



56, 33.346, 230.111



15, 14.000, 224.248

Previews

White Background



This preview shows how the CIELCh color 52, 84.977, 42.083 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, 84.977, 42.083 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, 84.977, 42.083

Background



This preview shows how black text looks on a background with the CIELCh color 52, 84.977, 42.083.



This preview shows how white text looks on a background with the CIELCh color 52, 84.977, 42.083.

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, 84.977, 42.083

Protanopia

52, 46.388, 95.998

Deuteranopia

52, 58.437, 83.838



Tritanopia
52, 76.691, 31.666

Trichromacy



Original Color
52, 84.977, 42.083

Protanomaly
50, 53.010, 64.390

Deuteranomaly
50, 64.008, 62.272

Tritanomaly
52, 79.696, 35.910

Monochromacy



Original Color
52, 84.977, 42.083

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 30.254, 37.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 84.977, 42.083 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(230, 61, 25)` looks like.

```
.text, #text, p{  
    color:rgb(230, 61, 25)  
}
```

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(230, 61, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 61, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 84.977, 42.083 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(230, 61, 25) }
```

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

```
.border{ border-color:rgb(230, 61, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 61, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 61, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 61, 25);  
box-shadow:4px 4px 4px 4px rgb(230, 61,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 84.977, 42.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 61, 25) }
```

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

```
.background{ background-color: rgb(230, 61,  
25) }
```

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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