

Converting Colors

CIELCh(52, 78.139, 42.255)

Have a look what the booklet for
CIELCh(52, 78.139, 42.255) contains.

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Color

CIELCh(52, 78.215, 42.346)

Conversions

Conversions Part 1

Format	Color
Hex	DF4622
RGB	223, 70, 34
RGB Percent	87%, 27%, 13%
CMY	0.1261, 0.7260, 0.8671
CMYK	0.00, 0.69, 0.85, 0.13
HSL	11°, 75%, 50%
HSV	11°, 85%, 87%
XYZ	32.8565, 20.1443, 3.6616
YIQ	111.6430, 102.7440, 21.2400

Conversions

Conversions Part 2

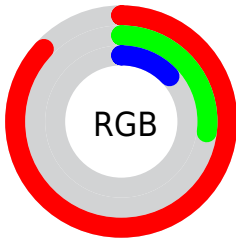
Format	Color
RYB	223, 78, 34
Decimal	14632482
CIELab	52.00, 57.81, 52.69
CIElCh	52, 78.215, 42.346
Yxy	20.1443, 0.5799, 0.3555
Android (android.graphics.Color)	4292822562 (0xFFDF4622)
YUV	111.6430, -38.2780, 97.6601
Hunter-Lab	44.8824, 52.1278, 26.5808

Details

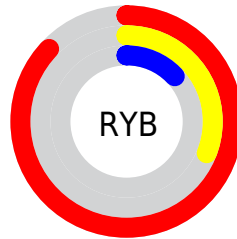
The CIELCh color **52, 78.215, 42.346** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **70, 38.112, 228.732**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 64.895, 44.851**, and **33, 73.130, 39.686** is the 20% darker color. If you saturate the color by 10%, you get **50, 86.789, 42.838**, and if you desaturate by 10%, it is **55, 67.855, 41.289**.

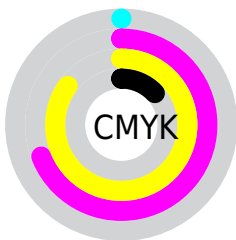
Distribution



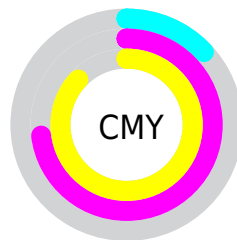
- Red (87%)
- Green (27%)
- Blue (13%)



- Red (87%)
- Yellow (31%)
- Blue (13%)



- Cyan (0%)
- Magenta (69%)
- Yellow (85%)
- Black (13%)



- Cyan (13%)
- Magenta (73%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 78.215, 42.346 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, 78.215, 42.346 by changing the saturation by 10% instead.

52, 78.215, 42.346

52, 78.215, 42.346

100, 78.215,
42.346

42, 78.215, 42.346

72, 78.215, 42.346

32, 78.215, 42.346

82, 78.215, 42.346

22, 78.215, 42.346

92, 78.215, 42.346

12, 78.215, 42.346

2, 78.215, 42.346

0, 78.215, 42.346

52, 78.215, 42.346

52, 78.215, 42.346

50, 86.789, 42.838

55, 67.855, 41.289

49, 90.338, 42.934

59, 57.105, 40.225

63, 46.601, 39.367

67, 36.625, 38.759

71, 27.298, 38.381

76, 18.652, 38.194

81, 10.672, 38.149

86, 3.317, 38.123

91, 3.469, 218.658

Harmonies

Complementary

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



52, 78.215, 42.346



70, 38.112, 228.732

Rectangle

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



52, 78.215, 42.346



52, 78.215, 92.346



52, 78.215, 222.346



52, 78.215, 272.346

Sweetspot

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



52, 78.212, 42.348



86, 21.015, 38.199



52, 88.022, 335.859



44, 14.552, 38.248



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, 78.212, 42.348



56, 100.255, 42.766



71, 69.500, 80.273



44, 4.030, 38.155



38, 75.335, 43.300



8, 22.471, 31.586

Inverse Universe

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



70, 38.112, 228.732



77, 43.822, 234.309



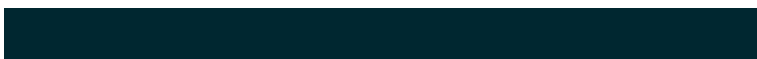
44, 76.778, 292.642



46, 3.797, 218.697



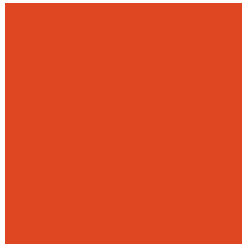
55, 33.118, 233.337



14, 13.541, 226.593

Previews

White Background



This preview shows how the CIELCh color 52, 78.215, 42.346 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, 78.215, 42.346 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, 78.215, 42.346

Background



This preview shows how black text looks on a background with the CIELCh color 52, 78.215, 42.346.



This preview shows how white text looks on a background with the CIELCh color 52, 78.215, 42.346.

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, 78.215, 42.346

Protanopia

52, 42.853, 95.826

Deuteranopia

52, 56.734, 83.505



Tritanopia
52, 69.929, 29.497

Trichromacy



Original Color
52, 78.215, 42.346

Protanomaly
50, 48.469, 65.231

Deuteranomaly
51, 61.053, 63.848

Tritanomaly
52, 73.019, 34.833

Monochromacy



Original Color
52, 78.215, 42.346

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 26.639, 38.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 78.215, 42.346 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(223, 70, 34)` looks like.

```
.text, #text, p{  
    color:rgb(223, 70, 34)  
}
```

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(223, 70, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 70, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 78.215, 42.346 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(223, 70, 34) }
```

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

```
.border{ border-color:rgb(223, 70, 34) }
```

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

Here you see how a box with a 4 pixel rgb(223, 70, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 70, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 70, 34);  
box-shadow:4px 4px 4px 4px rgb(223, 70,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 78.215, 42.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 70, 34) }
```

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

```
.background{ background-color: rgb(223, 70,  
34) }
```

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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