

Converting Colors

CIELCh(52, 70.691, 34.938)

Have a look what the booklet for
CIELCh(52, 70.691, 34.938) contains.

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Color

CIELCh(52, 70.596, 34.858)

Conversions

Conversions Part 1

Format	Color
Hex	DD463A
RGB	221, 70, 58
RGB Percent	87%, 27%, 23%
CMY	0.1321, 0.7243, 0.7717
CMYK	0.00, 0.68, 0.74, 0.13
HSL	4°, 71%, 55%
HSV	4°, 74%, 87%
XYZ	32.8905, 20.1443, 6.1876
YIQ	113.7810, 93.8480, 28.2800

Conversions

Conversions Part 2

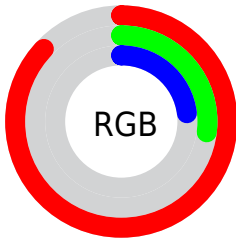
Format	Color
RYB	221, 71, 58
Decimal	14501434
CIELab	52.00, 57.93, 40.35
CIELCh	52, 70.596, 34.858
Yxy	20.1443, 0.5554, 0.3401
Android (android.graphics.Color)	4292691514 (0xFFDD463A)
YUV	113.7810, -27.5000, 94.0311
Hunter-Lab	44.8824, 52.2631, 23.2438

Details

The CIELCh color **52, 70.596, 34.858** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **77, 38.395, 206.655**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 58.281, 35.527**, and **32, 69.370, 35.877** is the 20% darker color. If you saturate the color by 10%, you get **49, 80.860, 37.454**, and if you desaturate by 10%, it is **56, 59.737, 32.506**.

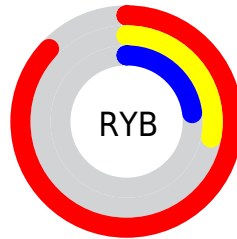
Distribution



Red (87%)

Green (27%)

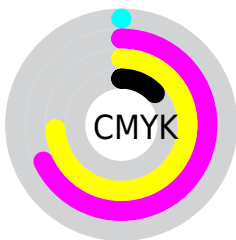
Blue (23%)



Red (87%)

Yellow (28%)

Blue (23%)

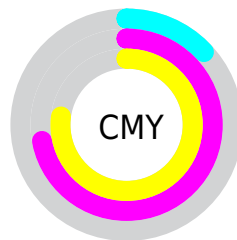


Cyan (0%)

Magenta (68%)

Yellow (74%)

Black (13%)



Cyan (13%)

Magenta (72%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 70.596, 34.858 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, 70.596, 34.858 by changing the saturation by 10% instead.

■ 52, 70.596, 34.858

■ 52, 70.596, 34.858

■ 100, 70.596,
34.858

■ 42, 70.596, 34.858

■ 72, 70.596, 34.858

■ 32, 70.596, 34.858

■ 82, 70.596, 34.858

■ 22, 70.596, 34.858

■ 92, 70.596, 34.858

■ 12, 70.596, 34.858

■ 2, 70.596, 34.858

■ 0, 70.596, 34.858

■ 52, 70.596, 34.858

■ 52, 70.596, 34.858

■ 49, 80.860, 37.454

■ 56, 59.737, 32.506

■ 47, 89.200, 39.630

■ 60, 48.908, 30.587

47, 92.953, 40.668

64, 38.440, 29.102

70, 28.527, 27.984

75, 19.267, 27.156

80, 10.686, 26.538

86, 2.765, 25.955

92, 4.540, 206.010

98, 11.285,
199.451

Harmonies

Complementary

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



52, 70.596, 34.858



77, 38.395, 206.655

Rectangle

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



52, 70.596, 34.858



52, 70.596, 84.858



52, 70.596, 214.858



52, 70.596, 264.858

Sweetspot

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



52, 70.593, 34.861



86, 19.947, 27.050



55, 89.006, 330.180



44, 13.553, 27.244



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, 70.593, 34.861



55, 95.057, 38.662



68, 59.971, 71.978



43, 4.322, 26.313



36, 77.208, 40.824



6, 22.689, 24.007

Inverse Universe

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



77, 38.395, 206.655



86, 45.130, 207.951



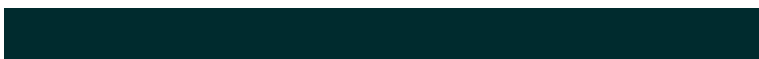
54, 54.329, 279.707



45, 4.066, 205.870



60, 34.215, 209.041



15, 13.927, 206.673

Previews

White Background



This preview shows how the CIELCh color 52, 70.596, 34.858 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, 70.596, 34.858 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, 70.596, 34.858

Background



This preview shows how black text looks on a background with the CIELCh color 52, 70.596, 34.858.



This preview shows how white text looks on a background with the CIELCh color 52, 70.596, 34.858.

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, 70.596, 34.858

Protanopia

52, 28.361, 96.418

Deuteranopia

52, 43.402, 80.826



Tritanopia
52, 67.962, 28.624

Trichromacy



Original Color
52, 70.596, 34.858

Protanomaly
50, 36.617, 54.631

Deuteranomaly
51, 48.839, 56.033

Tritanomaly
52, 68.891, 31.032

Monochromacy



Original Color
52, 70.596, 34.858

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 24.672, 27.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 70.596, 34.858 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(221, 70, 58)` looks like.

```
.text, #text, p{  
    color:rgb(221, 70, 58)  
}
```

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(221, 70, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 70, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 70.596, 34.858 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(221, 70, 58) }
```

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

```
.border{ border-color:rgb(221, 70, 58) }
```

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

Here you see how a box with a 4 pixel rgb(221, 70, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 70, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 70, 58);  
box-shadow:4px 4px 4px 4px rgb(221, 70,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 70.596, 34.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 70, 58) }
```

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

```
.background{ background-color: rgb(221, 70,  
58) }
```

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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