

Converting Colors

CIELCh(41, 78.376, 42.609)

Have a look what the booklet for
CIELCh(41, 78.376, 42.609) contains.

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Color

CIELCh(41, 78.180, 42.682)

Conversions

Conversions Part 1

Format	Color
Hex	BB2403
RGB	187, 36, 3
RGB Percent	73%, 14%, 1%
CMY	0.2660, 0.8581, 0.9877
CMYK	0.00, 0.81, 0.98, 0.27
HSL	11°, 97%, 37%
HSV	11°, 98%, 73%
XYZ	21.1862, 11.8645, 1.2632
YIQ	77.3870, 100.5890, 21.7490

Conversions

Conversions Part 2

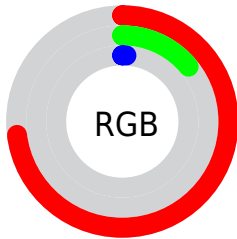
Format	Color
RYB	187, 43, 3
Decimal	12264451
CIELab	41.00, 57.47, 53.00
CIELCh	41, 78.180, 42.682
Yxy	11.8645, 0.6174, 0.3458
Android (android.graphics.Color)	4290454531 (0xFFBB2403)
YUV	77.3870, -36.6728, 96.1306
Hunter-Lab	34.4449, 49.5120, 21.9372

Details

The CIELCh color **41, 78.180, 42.682** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **59, 34.458, 230.611**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 78.306, 42.735**, and **25, 59.691, 38.106** is the 20% darker color. If you saturate the color by 10%, you get **41, 79.323, 42.889**, and if you desaturate by 10%, it is **43, 71.131, 42.088**.

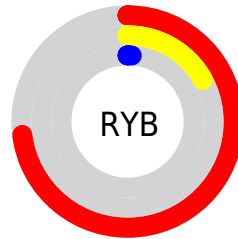
Distribution



Red (73%)

Green (14%)

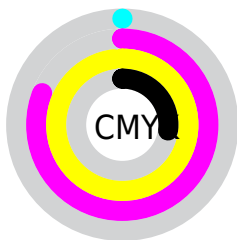
Blue (1%)



Red (73%)

Yellow (17%)

Blue (1%)

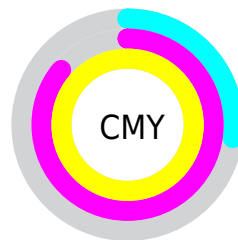


Cyan (0%)

Magenta (81%)

Yellow (98%)

Black (27%)



Cyan (27%)

Magenta (86%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 78.180, 42.682 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 41, 78.180, 42.682 by changing the saturation by 10% instead.

41, 78.180, 42.682

41, 78.180, 42.682

100, 78.180,
42.682

31, 78.180, 42.682

61, 78.180, 42.682

21, 78.180, 42.682

71, 78.180, 42.682

11, 78.180, 42.682

81, 78.180, 42.682

1, 78.180, 42.682

91, 78.180, 42.682

0, 78.180, 42.682

41, 78.180, 42.682

41, 78.180, 42.682

41, 79.323, 42.889

43, 71.131, 42.088

45, 62.383, 40.976

■ 48, 53.045, 39.769

■ 52, 43.795, 38.748

■ 55, 34.940, 37.985

■ 59, 26.616, 37.469

■ 63, 18.874, 37.162

■ 68, 11.715, 37.018

■ 72, 5.109, 36.967

Harmonies

Complementary

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



41, 78.180, 42.682



59, 34.458, 230.611

Rectangle

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



41, 78.180, 42.682



41, 78.180, 92.682



41, 78.180, 222.682



41, 78.180, 272.682

Sweetspot

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



41, 78.177, 42.684



80, 23.939, 37.188



43, 80.249, 336.063



41, 16.857, 37.305



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 78.177, 42.684



53, 96.749, 42.539



58, 64.927, 75.993



37, 3.514, 36.972



34, 69.632, 43.097



4, 10.924, 31.112

Inverse Universe

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



59, 34.458, 230.611



74, 41.988, 231.794



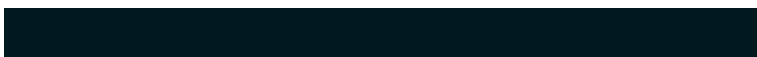
33, 76.204, 296.093



39, 3.314, 217.416



50, 30.502, 230.662



7, 9.568, 225.020

Previews

White Background



This preview shows how the CIELCh color 41, 78.180, 42.682 looks on a white 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

Black Background



This preview shows how the CIELCh color 41, 78.180, 42.682 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 78.180, 42.682

Background



This preview shows how black text looks on a background with the CIELCh color 41, 78.180, 42.682.



This preview shows how white text looks on a background with the CIELCh color 41, 78.180, 42.682.

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

41, 78.180, 42.682

Protanopia

41, 41.775, 95.598

Deuteranopia

41, 49.288, 84.174



Tritanopia
41, 71.221, 34.745

Trichromacy



Original Color
41, 78.180, 42.682

Protanomaly
39, 48.564, 63.116

Deuteranomaly
39, 56.291, 60.322

Tritanomaly
41, 74.084, 38.473

Monochromacy



Original Color
41, 78.180, 42.682

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 28.847, 38.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 78.180, 42.682 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(187, 36, 3)` looks like.

```
.text, #text, p{  
    color:rgb(187, 36, 3)  
}
```

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(187, 36, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 36, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 78.180, 42.682 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(187, 36, 3) }
```

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

```
.border{ border-color:rgb(187, 36, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 36, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 36, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 36, 3);  
box-shadow:4px 4px 4px 4px rgb(187, 36, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 78.180, 42.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 36, 3) }
```

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

```
.background{ background-color: rgb(187, 36,  
3) }
```

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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