

Converting Colors

CIELCh(41, 79.917, 42.792)

Have a look what the booklet for
CIELCh(41, 79.917, 42.792) contains.

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Color

CIELCh(41, 80.075, 42.736)

Conversions

Conversions Part 1

Format	Color
Hex	BD2100
RGB	189, 33, 0
RGB Percent	74%, 13%, 0%
CMY	0.2597, 0.8715, 1.0000
CMYK	0.00, 0.83, 1.00, 0.26
HSL	10°, 100%, 37%
HSV	10°, 100%, 74%
XYZ	21.4687, 11.8645, 1.1543
YIQ	75.8820, 103.5690, 22.8090

Conversions

Conversions Part 2

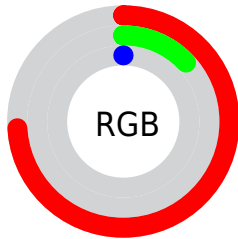
Format	Color
RYB	189, 40, 0
Decimal	12394752
CIELab	41.00, 58.81, 54.34
CIElCh	41, 80.075, 42.736
Yxy	11.8645, 0.6225, 0.3440
Android (android.graphics.Color)	4290584832 (0xFFBD2100)
YUV	75.8820, -37.4098, 99.2045
Hunter-Lab	34.4449, 50.9764, 22.1246

Details

The CIELCh color **41, 80.075, 42.736** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **59, 34.757, 229.836**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 80.095, 42.587**, and **25, 60.499, 38.246** is the 20% darker color. If you saturate the color by 10%, you get **41, 80.037, 42.709**, and if you desaturate by 10%, it is **43, 73.163, 41.981**.

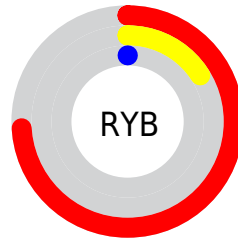
Distribution



Red (74%)

Green (13%)

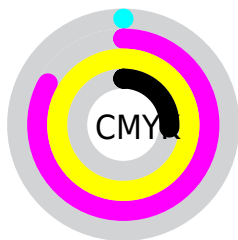
Blue (0%)



Red (74%)

Yellow (16%)

Blue (0%)

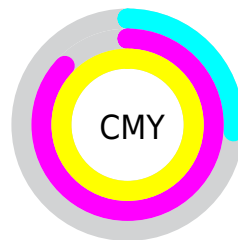


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (87%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 80.075, 42.736 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, 80.075, 42.736 by changing the saturation by 10% instead.

41, 80.075, 42.736

41, 80.075, 42.736

100, 80.075,
42.736

31, 80.075, 42.736

61, 80.075, 42.736

21, 80.075, 42.736

71, 80.075, 42.736

11, 80.075, 42.736

81, 80.075, 42.736

1, 80.075, 42.736

91, 80.075, 42.736

0, 80.075, 42.736

41, 80.075, 42.736

41, 80.075, 42.736

41, 80.037, 42.709

43, 73.163, 41.981

45, 64.571, 40.858

■ 48, 55.193, 39.566

■ 51, 45.814, 38.441

■ 55, 36.788, 37.580

■ 59, 28.279, 36.979

■ 63, 20.351, 36.601

■ 68, 13.014, 36.399

■ 72, 6.244, 36.310

Harmonies

Complementary

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



41, 80.075, 42.736



59, 34.757, 229.836

Rectangle

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



41, 80.075, 42.736



41, 80.075, 92.736



41, 80.075, 222.736



41, 80.075, 272.736

Sweetspot

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



41, 80.037, 42.709



80, 25.184, 36.615



43, 80.931, 336.209



40, 17.478, 36.754



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, 80.037, 42.709



53, 97.754, 42.371



58, 65.836, 75.596



37, 3.528, 36.305



34, 69.791, 42.914



4, 10.961, 30.668

Inverse Universe

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



59, 34.757, 229.836



75, 42.264, 230.447



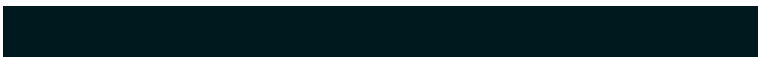
32, 78.152, 296.656



39, 3.326, 216.695



50, 30.473, 229.333



7, 9.597, 223.920

Previews

White Background



This preview shows how the CIELCh color 41, 80.075, 42.736 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, 80.075, 42.736 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, 80.075, 42.736

Background



This preview shows how black text looks on a background with the CIELCh color 41, 80.075, 42.736.



This preview shows how white text looks on a background with the CIELCh color 41, 80.075, 42.736.

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, 80.075, 42.736

Protanopia

41, 41.775, 95.598

Deuteranopia

41, 49.288, 84.174



Tritanopia
41, 73.572, 35.714

Trichromacy



Original Color
41, 80.075, 42.736

Protanomaly
39, 49.423, 61.578

Deuteranomaly
39, 57.089, 59.671

Tritanomaly
41, 76.330, 39.051

Monochromacy



Original Color
41, 80.075, 42.736

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 30.078, 38.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 80.075, 42.736 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(189, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 33, 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(189, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 33, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 80.075, 42.736 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(189, 33, 0) }
```

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

```
.border{ border-color:rgb(189, 33, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 33, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 33, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 80.075, 42.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 33, 0) }
```

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

```
.background{ background-color: rgb(189, 33,  
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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