

Converting Colors

CIELCh(41, 75.940, 45.094)

Have a look what the booklet for
CIELCh(41, 75.940, 45.094) contains.

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Color

CIELCh(41, 75.939, 44.902)

Conversions

Conversions Part 1

Format	Color
Hex	B72C00
RGB	183, 44, 0
RGB Percent	72%, 17%, 0%
CMY	0.2824, 0.8275, 1.0000
CMYK	0.00, 0.76, 1.00, 0.28
HSL	14°, 100%, 36%
HSV	14°, 100%, 72%
XYZ	20.4233, 11.8645, 1.2132
YIQ	80.5450, 96.9680, 15.7840

Conversions

Conversions Part 2

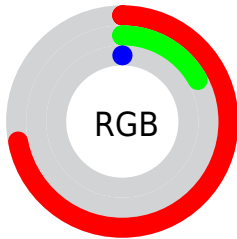
Format	Color
RYB	183, 58, 0
Decimal	12004352
CIELab	41.00, 53.79, 53.61
CIElCh	41, 75.939, 44.902
Yxy	11.8645, 0.6096, 0.3542
Android (android.graphics.Color)	4290194432 (0xFFB72C00)
YUV	80.5450, -39.7087, 89.8530
Hunter-Lab	34.4449, 45.5585, 22.0231

Details

The CIELCh color **41, 75.939, 44.902** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **54, 35.293, 244.211**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 75.910, 45.151**, and **24, 58.063, 37.802** is the 20% darker color. If you saturate the color by 10%, you get **41, 75.933, 44.901**, and if you desaturate by 10%, it is **43, 69.078, 44.985**.

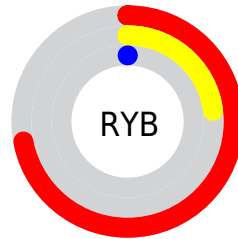
Distribution



Red (72%)

Green (17%)

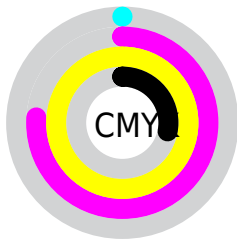
Blue (0%)



Red (72%)

Yellow (23%)

Blue (0%)

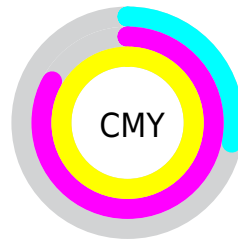


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (83%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 75.939, 44.902 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, 75.939, 44.902 by changing the saturation by 10% instead.

41, 75.939, 44.902

41, 75.939, 44.902

100, 75.939,
44.902

31, 75.939, 44.902

61, 75.939, 44.902

21, 75.939, 44.902

71, 75.939, 44.902

11, 75.939, 44.902

81, 75.939, 44.902

1, 75.939, 44.902

91, 75.939, 44.902

0, 75.939, 44.902

41, 75.939, 44.902

41, 75.939, 44.902

41, 75.933, 44.901

43, 69.078, 44.985

45, 60.807, 44.708

■ 48, 51.869, 44.187

■ 51, 42.991, 43.730

■ 55, 34.496, 43.438

■ 58, 26.516, 43.326

■ 62, 19.093, 43.374

■ 66, 12.222, 43.550

■ 70, 5.871, 43.802

Harmonies

Complementary

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



41, 75.939, 44.902



54, 35.293, 244.211

Rectangle

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



41, 75.939, 44.902



41, 75.939, 94.902



41, 75.939, 224.902



41, 75.939, 274.902

Sweetspot

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



41, 75.933, 44.901



79, 23.620, 43.369



41, 75.284, 340.246



40, 16.526, 43.333



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



41, 75.933, 44.901



53, 92.765, 44.443



59, 65.027, 81.902



37, 3.327, 43.818



35, 67.007, 45.230



4, 9.145, 36.700

Inverse Universe

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



54, 35.293, 244.211



69, 43.038, 245.044



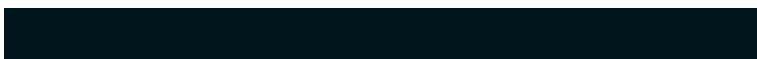
28, 84.039, 299.882



38, 3.149, 224.795



46, 31.212, 243.584



6, 8.520, 235.963

Previews

White Background



This preview shows how the CIELCh color 41, 75.939, 44.902 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, 75.939, 44.902 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, 75.939, 44.902

Background



This preview shows how black text looks on a background with the CIELCh color 41, 75.939, 44.902.



This preview shows how white text looks on a background with the CIELCh color 41, 75.939, 44.902.

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, 75.939, 44.902

Protanopia

41, 42.525, 95.621

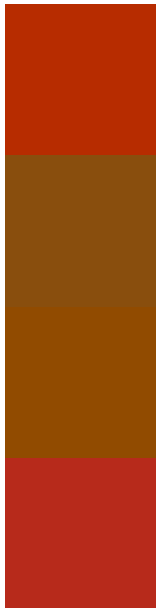
Deuteranopia

41, 49.105, 84.724



Tritanopia
41, 65.888, 32.399

Trichromacy



Original Color
41, 75.939, 44.902

Protanomaly
39, 48.936, 65.516

Deuteranomaly
40, 55.413, 62.811

Tritanomaly
41, 69.931, 38.330

Monochromacy



Original Color
41, 75.939, 44.902

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 27.333, 43.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 75.939, 44.902 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(183, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 44, 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(183, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 44, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 75.939, 44.902 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(183, 44, 0) }
```

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

```
.border{ border-color:rgb(183, 44, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 44, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 44, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 75.939, 44.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 44, 0) }
```

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

```
.background{ background-color: rgb(183, 44,  
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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