

Converting Colors

CIELCh(41, 72.766, 46.913)

Have a look what the booklet for
CIELCh(41, 72.766, 46.913) contains.

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Color

CIELCh(41, 72.639, 46.883)

Conversions

Conversions Part 1

Format	Color
Hex	B23300
RGB	178, 51, 0
RGB Percent	70%, 20%, 0%
CMY	0.3013, 0.7994, 0.9995
CMYK	0.00, 0.71, 1.00, 0.30
HSL	17°, 100%, 35%
HSV	17°, 100%, 70%
XYZ	19.5878, 11.8645, 1.2612
YIQ	83.1590, 92.0630, 11.0630

Conversions

Conversions Part 2

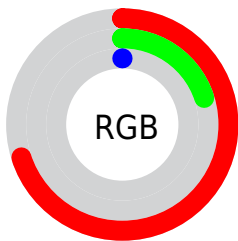
Format	Color
R_{YB}	178, 71, 0
Decimal	11678464
CIE _{Lab}	41.00, 49.65, 53.02
CIE _{LCh}	41, 72.639, 46.883
Yxy	11.8645, 0.5988, 0.3627
Android (android.graphics.Color)	4289868544 (0xFFB23300)
YUV	83.1590, -40.9974, 83.1756
Hunter-Lab	34.4449, 41.2289, 21.9405

Details

The CIELCh color **41, 72.639, 46.883** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **50, 36.605, 253.402**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 72.439, 46.792**, and **23, 56.415, 37.464** is the 20% darker color. If you saturate the color by 10%, you get **41, 72.685, 46.886**, and if you desaturate by 10%, it is **43, 65.982, 47.494**.

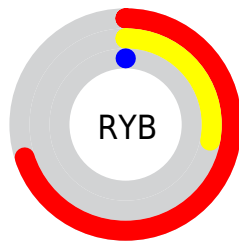
Distribution



Red (70%)

Green (20%)

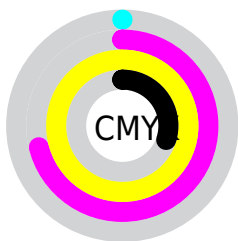
Blue (0%)



Red (70%)

Yellow (28%)

Blue (0%)

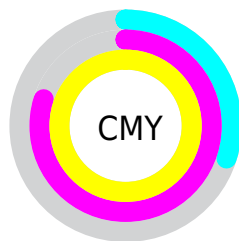


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (80%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 72.639, 46.883 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, 72.639, 46.883 by changing the saturation by 10% instead.

41, 72.639, 46.883

41, 72.639, 46.883

100, 72.639,
46.883

31, 72.639, 46.883

61, 72.639, 46.883

21, 72.639, 46.883

71, 72.639, 46.883

11, 72.639, 46.883

81, 72.639, 46.883

1, 72.639, 46.883

91, 72.639, 46.883

0, 72.639, 46.883

41, 72.639, 46.883

41, 72.639, 46.883

41, 72.685, 46.886

43, 65.982, 47.494

45, 58.080, 47.751

■ 48, 49.556, 47.724

■ 51, 41.093, 47.698

■ 54, 32.996, 47.780

■ 58, 25.385, 47.994

■ 61, 18.296, 48.328

■ 65, 11.718, 48.759

■ 69, 5.619, 49.241

Harmonies

Complementary

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



41, 72.639, 46.883



50, 36.605, 253.402

Rectangle

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



41, 72.639, 46.883



41, 72.639, 96.883



41, 72.639, 226.883



41, 72.639, 276.883

Sweetspot

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



41, 72.636, 46.885



78, 22.786, 48.305



40, 71.328, 343.608



40, 15.930, 48.155



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



41, 72.636, 46.885



53, 89.145, 46.336



60, 64.830, 86.472



36, 3.202, 49.269



35, 64.669, 47.272



3, 7.678, 41.974

Inverse Universe

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



50, 36.605, 253.402



64, 44.953, 254.380



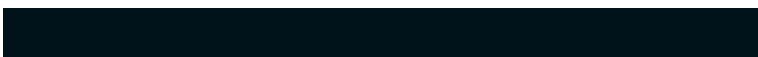
26, 87.512, 301.784



36, 3.044, 230.630



43, 32.570, 252.777



5, 7.555, 242.363

Previews

White Background



This preview shows how the CIELCh color 41, 72.639, 46.883 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, 72.639, 46.883 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, 72.639, 46.883

Background



This preview shows how black text looks on a background with the CIELCh color 41, 72.639, 46.883.



This preview shows how white text looks on a background with the CIELCh color 41, 72.639, 46.883.

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, 72.639, 46.883

Protanopia

41, 42.886, 95.631

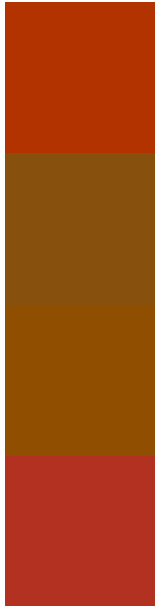
Deuteranopia

41, 49.105, 84.724



Tritanopia
41, 60.648, 30.286

Trichromacy



Original Color
41, 72.639, 46.883

Protanomaly
40, 48.119, 68.521

Deuteranomaly
40, 54.365, 65.275

Tritanomaly
41, 65.479, 38.400

Monochromacy



Original Color
41, 72.639, 46.883

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 26.409, 46.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 72.639, 46.883 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(178, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 51, 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(178, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 51, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 72.639, 46.883 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(178, 51, 0) }
```

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

```
.border{ border-color:rgb(178, 51, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 51, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 51, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 72.639, 46.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 51, 0) }
```

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

```
.background{ background-color: rgb(178, 51,  
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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