

Converting Colors

CIELCh(41, 72.412, 47.351)

Have a look what the booklet for
CIELCh(41, 72.412, 47.351) contains.

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Color

CIELCh(41, 72.049, 47.235)

Conversions

Conversions Part 1

Format	Color
Hex	B13400
RGB	177, 52, 0
RGB Percent	69%, 20%, 0%
CMY	0.3047, 0.7950, 0.9991
CMYK	0.00, 0.71, 1.00, 0.30
HSL	18°, 100%, 35%
HSV	18°, 100%, 70%
XYZ	19.4434, 11.8645, 1.2721
YIQ	83.4470, 91.1920, 10.3280

Conversions

Conversions Part 2

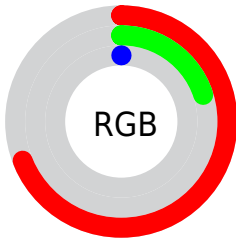
Format	Color
R_{YB}	177, 74, 0
Decimal	11613184
CIE _{Lab}	41.00, 48.92, 52.89
CIE _{LCh}	41, 72.049, 47.235
Yxy	11.8645, 0.5968, 0.3642
Android (android.graphics.Color)	4289803264 (0xFFB13400)
YUV	83.4470, -41.1394, 82.0460
Hunter-Lab	34.4449, 40.4808, 21.9219

Details

The CIELCh color **41, 72.049, 47.235** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **49, 36.856, 254.749**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 71.852, 47.262**, and **22, 56.000, 37.374** is the 20% darker color. If you saturate the color by 10%, you get **41, 72.139, 47.237**, and if you desaturate by 10%, it is **43, 65.436, 47.927**.

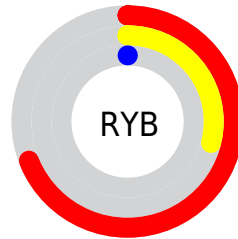
Distribution



Red (69%)

Green (20%)

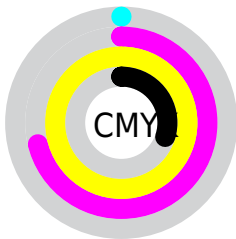
Blue (0%)



Red (69%)

Yellow (29%)

Blue (0%)

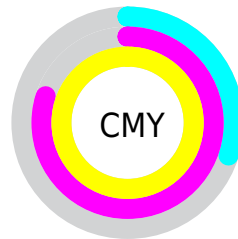


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (80%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 72.049, 47.235 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, 72.049, 47.235 by changing the saturation by 10% instead.

41, 72.049, 47.235

41, 72.049, 47.235

100, 72.049,
47.235

31, 72.049, 47.235

61, 72.049, 47.235

21, 72.049, 47.235

71, 72.049, 47.235

11, 72.049, 47.235

81, 72.049, 47.235

1, 72.049, 47.235

91, 72.049, 47.235

0, 72.049, 47.235

41, 72.049, 47.235

41, 72.049, 47.235

41, 72.139, 47.237

43, 65.436, 47.927

45, 57.597, 48.262

■ 48, 49.146, 48.308

■ 51, 40.755, 48.348

■ 54, 32.725, 48.488

■ 58, 25.176, 48.751

■ 61, 18.141, 49.130

■ 65, 11.610, 49.600

■ 69, 5.552, 50.117

Harmonies

Complementary

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



41, 72.049, 47.235



49, 36.856, 254.749

Rectangle

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



41, 72.049, 47.235



41, 72.049, 97.235



41, 72.049, 227.235



41, 72.049, 277.235

Sweetspot

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



41, 72.046, 47.237



77, 22.531, 49.103



39, 71.074, 343.591



39, 15.604, 48.937



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



41, 72.046, 47.237



53, 88.045, 46.686



60, 64.587, 86.489



36, 3.198, 50.144



35, 64.424, 47.622



3, 7.658, 42.645

Inverse Universe

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



49, 36.856, 254.749



63, 45.078, 255.748



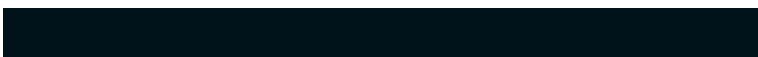
26, 87.122, 301.759



36, 3.042, 231.563



43, 32.916, 254.168



5, 7.576, 243.397

Previews

White Background



This preview shows how the CIELCh color 41, 72.049, 47.235 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, 72.049, 47.235 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, 72.049, 47.235

Background



This preview shows how black text looks on a background with the CIELCh color 41, 72.049, 47.235.



This preview shows how white text looks on a background with the CIELCh color 41, 72.049, 47.235.

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, 72.049, 47.235

Protanopia

41, 43.237, 95.640

Deuteranopia

41, 49.105, 84.724



Tritanopia
41, 59.747, 30.017

Trichromacy



Original Color
41, 72.049, 47.235

Protanomaly
40, 48.068, 69.120

Deuteranomaly
40, 54.365, 65.275

Tritanomaly
41, 64.561, 38.328

Monochromacy



Original Color
41, 72.049, 47.235

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 25.876, 47.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 72.049, 47.235 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(177, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 52, 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(177, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 52, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 72.049, 47.235 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(177, 52, 0) }
```

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

```
.border{ border-color:rgb(177, 52, 0) }
```

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

Here you see how a box with a 4 pixel rgb(177, 52, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 52, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 52, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 52, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 72.049, 47.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 52, 0) }
```

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

```
.background{ background-color: rgb(177, 52,  
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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