

Converting Colors

CIELCh(40, 72.744, 46.026)

Have a look what the booklet for
CIELCh(40, 72.744, 46.026) contains.

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Color

CIELCh(40, 72.738, 46.051)

Conversions

Conversions Part 1

Format	Color
Hex	B02F00
RGB	176, 47, 0
RGB Percent	69%, 18%, 0%
CMY	0.3101, 0.8159, 1.0000
CMYK	0.00, 0.73, 1.00, 0.31
HSL	16°, 100%, 34%
HSV	16°, 100%, 69%
XYZ	18.9041, 11.2510, 1.1739
YIQ	80.2130, 91.9710, 12.7310

Conversions

Conversions Part 2

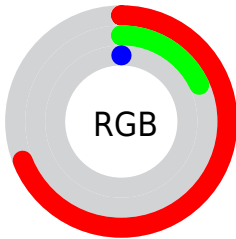
Format	Color
R_{YB}	176, 64, 0
Decimal	11546368
CIE Lab	40.00, 50.48, 52.37
CIE LCh	40, 72.738, 46.051
Yxy	11.2510, 0.6034, 0.3591
Android (android.graphics.Color)	4289736448 (0xFFB02F00)
YUV	80.2130, -39.5450, 84.0052
Hunter-Lab	33.5425, 41.9009, 21.4047

Details

The CIELCh color **40, 72.738, 46.051** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **50, 35.299, 249.498**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 72.524, 46.168**, and **22, 55.584, 37.281** is the 20% darker color. If you saturate the color by 10%, you get **40, 72.724, 46.044**, and if you desaturate by 10%, it is **42, 66.021, 46.380**.

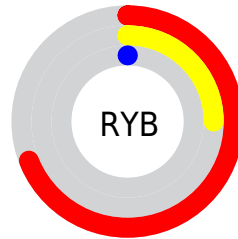
Distribution



Red (69%)

Green (18%)

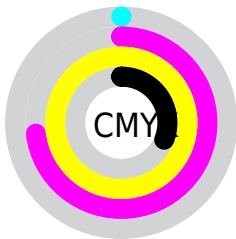
Blue (0%)



Red (69%)

Yellow (25%)

Blue (0%)

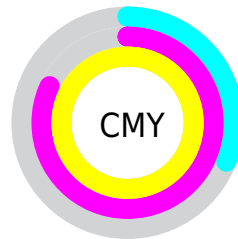


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (82%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 72.738, 46.051 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 40, 72.738, 46.051 by changing the saturation by 10% instead.

40, 72.738, 46.051

40, 72.738, 46.051

100, 72.738,
46.051

30, 72.738, 46.051

60, 72.738, 46.051

20, 72.738, 46.051

70, 72.738, 46.051

10, 72.738, 46.051

80, 72.738, 46.051

0, 72.738, 46.051

90, 72.738, 46.051

40, 72.738, 46.051

40, 72.738, 46.051

40, 72.724, 46.044

42, 66.021, 46.380

44, 58.093, 46.409

■ 47, 49.553, 46.176

■ 50, 41.081, 45.970

■ 53, 32.977, 45.897

■ 57, 25.365, 45.974

■ 60, 18.279, 46.188

■ 64, 11.712, 46.510

■ 68, 5.632, 46.895

Harmonies

Complementary

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



40, 72.738, 46.051



50, 35.299, 249.498

Rectangle

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



40, 72.738, 46.051



40, 72.738, 96.051



40, 72.738, 226.051



40, 72.738, 276.051

Sweetspot

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



40, 72.724, 46.044



77, 22.736, 46.173



39, 71.477, 342.433



39, 15.752, 46.073



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



40, 72.724, 46.044



52, 89.284, 45.513



59, 63.840, 84.998



35, 3.142, 46.921



34, 64.456, 46.390



3, 6.553, 41.540

Inverse Universe

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



50, 35.299, 249.498



65, 43.321, 250.433



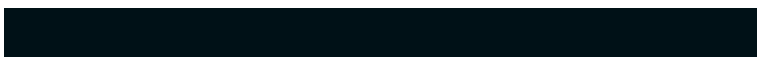
26, 84.979, 301.159



35, 2.982, 228.117



43, 31.326, 248.835



4, 6.402, 238.085

Previews

White Background



This preview shows how the CIELCh color 40, 72.738, 46.051 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 CIE LCh color 40, 72.738, 46.051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

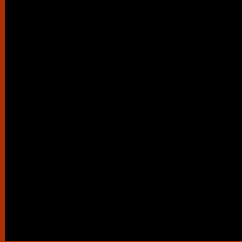
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 72.738, 46.051

Background



This preview shows how black text looks on a background with the CIELCh color 40, 72.738, 46.051.



This preview shows how white text looks on a background with the CIELCh color 40, 72.738, 46.051.

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

40, 72.738, 46.051

Protanopia

40, 41.991, 96.159

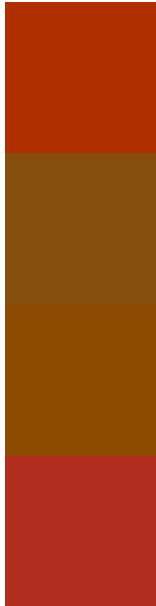
Deuteranopia

40, 48.291, 84.972



Tritanopia
40, 62.031, 31.438

Trichromacy



Original Color
40, 72.738, 46.051

Protanomaly
39, 47.224, 67.614

Deuteranomaly
39, 53.669, 64.509

Tritanomaly
40, 66.366, 38.384

Monochromacy



Original Color
40, 72.738, 46.051

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 26.292, 45.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 72.738, 46.051 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(176, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 47, 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(176, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 47, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 72.738, 46.051 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(176, 47, 0) }
```

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

```
.border{ border-color:rgb(176, 47, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 47, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 47, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 72.738, 46.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 47, 0) }
```

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

```
.background{ background-color: rgb(176, 47,  
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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