

Converting Colors

CIELCh(41, 74.203, 46.138)

Have a look what the booklet for
CIELCh(41, 74.203, 46.138) contains.

CIELCh(41, 74.019, 45.984)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(41, 74.019, 45.984)

Conversions

Conversions Part 1

Format	Color
Hex	B43000
RGB	180, 48, 0
RGB Percent	71%, 19%, 0%
CMY	0.2932, 0.8109, 0.9993
CMYK	0.00, 0.73, 1.00, 0.29
HSL	16°, 100%, 35%
HSV	16°, 100%, 71%
XYZ	19.9450, 11.8645, 1.2440
YIQ	81.9960, 94.0800, 13.0560

Conversions

Conversions Part 2

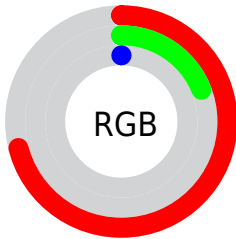
Format	Color
R _Y B	180, 65, 0
Decimal	11808768
CIE Lab	41.00, 51.43, 53.23
CIE LCh	41, 74.019, 45.984
Yxy	11.8645, 0.6034, 0.3589
Android (android.graphics.Color)	4289998848 (0xFFB43000)
YUV	81.9960, -40.4240, 85.9495
Hunter-Lab	34.4449, 43.0802, 21.9701

Details

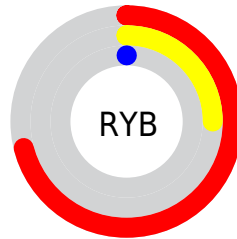
The CIELCh color **41, 74.019, 45.984** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **52, 35.942, 249.550**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 74.018, 45.804**, and **23, 57.241, 37.637** is the 20% darker color. If you saturate the color by 10%, you get **41, 74.087, 45.989**, and if you desaturate by 10%, it is **43, 67.257, 46.379**.

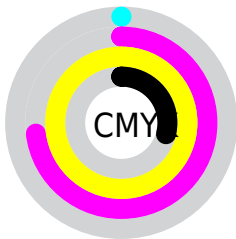
Distribution



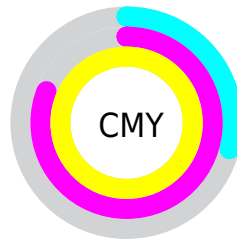
- Red (71%)
- Green (19%)
- Blue (0%)



- Red (71%)
- Yellow (25%)
- Blue (0%)



- Cyan (0%)
- Magenta (73%)
- Yellow (100%)
- Black (29%)



- Cyan (29%)
- Magenta (81%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 74.019, 45.984 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, 74.019, 45.984 by changing the saturation by 10% instead.

41, 74.019, 45.984

41, 74.019, 45.984

100, 74.019,
45.984

31, 74.019, 45.984

61, 74.019, 45.984

21, 74.019, 45.984

71, 74.019, 45.984

11, 74.019, 45.984

81, 74.019, 45.984

1, 74.019, 45.984

91, 74.019, 45.984

0, 74.019, 45.984

41, 74.019, 45.984

41, 74.019, 45.984

41, 74.087, 45.989

43, 67.257, 46.379

45, 59.178, 46.411

■ 48, 50.469, 46.177

■ 51, 41.828, 45.971

■ 55, 33.563, 45.897

■ 58, 25.801, 45.975

■ 62, 18.577, 46.190

■ 66, 11.882, 46.514

■ 70, 5.684, 46.899

Harmonies

Complementary

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



41, 74.019, 45.984



52, 35.942, 249.550

Rectangle

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



41, 74.019, 45.984



41, 74.019, 95.984



41, 74.019, 225.984



41, 74.019, 275.984

Sweetspot

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



41, 74.016, 45.986



79, 23.149, 46.173



40, 72.738, 342.450



40, 16.045, 46.072



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, 74.016, 45.986



53, 90.818, 45.476



60, 64.961, 84.978



36, 3.219, 46.921



35, 65.313, 46.366



3, 7.735, 40.180

Inverse Universe

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



52, 35.942, 249.550



66, 44.065, 250.502



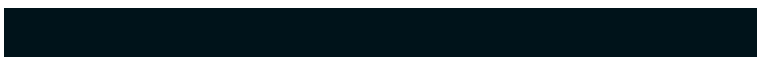
27, 86.574, 301.186



36, 3.054, 228.120



44, 31.729, 248.912



5, 7.511, 239.504

Previews

White Background



This preview shows how the CIELCh color 41, 74.019, 45.984 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, 74.019, 45.984 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, 74.019, 45.984

Background



This preview shows how black text looks on a background with the CIELCh color 41, 74.019, 45.984.



This preview shows how white text looks on a background with the CIELCh color 41, 74.019, 45.984.

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, 74.019, 45.984

Protanopia

41, 42.886, 95.631

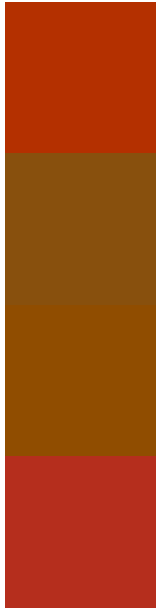
Deuteranopia

41, 49.105, 84.724



Tritanopia
41, 63.177, 31.490

Trichromacy



Original Color
41, 74.019, 45.984

Protanomaly
40, 48.486, 67.361

Deuteranomaly
40, 54.817, 64.322

Tritanomaly
41, 67.784, 38.633

Monochromacy



Original Color
41, 74.019, 45.984

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 26.947, 46.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 74.019, 45.984 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(180, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 48, 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(180, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 48, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 74.019, 45.984 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(180, 48, 0) }
```

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

```
.border{ border-color:rgb(180, 48, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 48, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 48, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 74.019, 45.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 48, 0) }
```

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

```
.background{ background-color: rgb(180, 48,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor