

Converting Colors

CIELCh(41, 84.789, 40.396)

Have a look what the booklet for
CIELCh(41, 84.789, 40.396) contains.

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Color

CIELCh(41, 84.763, 40.504)

Conversions

Conversions Part 1

Format	Color
Hex	C30B00
RGB	195, 11, 0
RGB Percent	76%, 4%, 0%
CMY	0.2344, 0.9582, 0.9994
CMYK	0.00, 0.95, 1.00, 0.23
HSL	3°, 100%, 38%
HSV	3°, 100%, 77%
XYZ	22.6831, 11.8645, 1.0990
YIQ	64.7620, 113.1950, 35.5870

Conversions

Conversions Part 2

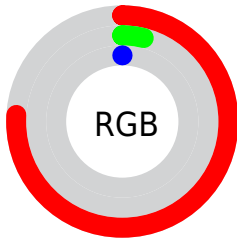
Format	Color
RYB	195, 12, 0
Decimal	12782336
CIELab	41.00, 64.45, 55.05
CIELCh	41, 84.763, 40.504
Yxy	11.8645, 0.6363, 0.3328
Android (android.graphics.Color)	4290972416 (0xFFC30B00)
YUV	64.7620, -31.9277, 114.2187
Hunter-Lab	34.4449, 57.2693, 22.2198

Details

The CIELCh color **41, 84.763, 40.504** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **68, 38.171, 205.393**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 82.417, 40.686**, and **26, 62.496, 38.565** is the 20% darker color. If you saturate the color by 10%, you get **41, 84.807, 40.529**, and if you desaturate by 10%, it is **42, 78.643, 38.291**.

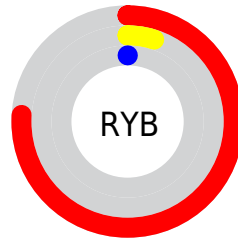
Distribution



Red (76%)

Green (4%)

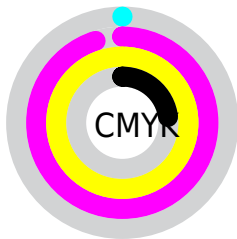
Blue (0%)



Red (76%)

Yellow (5%)

Blue (0%)

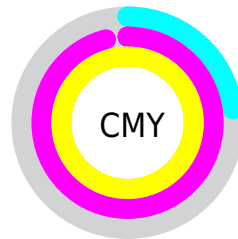


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (23%)



Cyan (23%)

Magenta (96%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 84.763, 40.504 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, 84.763, 40.504 by changing the saturation by 10% instead.

 41, 84.763, 40.504

 41, 84.763, 40.504

 100, 84.763,
40.504

 31, 84.763, 40.504

 61, 84.763, 40.504

 21, 84.763, 40.504

 71, 84.763, 40.504

 11, 84.763, 40.504

 81, 84.763, 40.504

 1, 84.763, 40.504

 91, 84.763, 40.504

 0, 84.763, 40.504

 41, 84.763, 40.504

 41, 84.763, 40.504

 41, 84.807, 40.529

 42, 78.643, 38.291

 44, 70.251, 35.550

47, 60.714, 32.781

50, 50.868, 30.410

54, 41.133, 28.523

59, 31.766, 27.071

63, 22.918, 25.974

68, 14.662, 25.148

74, 7.012, 24.505

Harmonies

Complementary

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



41, 84.763, 40.504



68, 38.171, 205.393

Rectangle

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



41, 84.763, 40.504



41, 84.763, 90.504



41, 84.763, 220.504



41, 84.763, 270.504

Sweetspot

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



41, 84.760, 40.506



81, 28.605, 26.028



46, 90.866, 330.332



40, 19.842, 26.467



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 84.760, 40.506



54, 103.917, 40.388



54, 68.498, 64.734



38, 3.974, 24.471



33, 72.995, 40.458



3, 13.514, 22.454

Inverse Universe

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



68, 38.171, 205.393



87, 46.625, 205.555



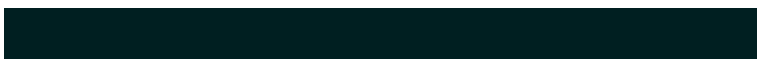
39, 65.362, 288.737



40, 3.743, 203.892



57, 33.067, 205.261



10, 11.713, 203.178

Previews

White Background



This preview shows how the CIELCh color 41, 84.763, 40.504 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, 84.763, 40.504 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, 84.763, 40.504

Background



This preview shows how black text looks on a background with the CIELCh color 41, 84.763, 40.504.



This preview shows how white text looks on a background with the CIELCh color 41, 84.763, 40.504.

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, 84.692, 40.556

Protanopia

42, 41.410, 95.647

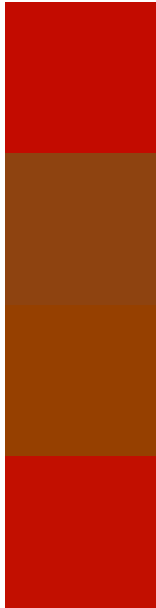
Deuteranopia

42, 49.422, 84.878



Tritanopia
41, 83.756, 41.019

Trichromacy



Original Color
41, 84.692, 40.556

Protanomaly
37, 51.222, 55.850

Deuteranomaly
38, 59.116, 55.624

Tritanomaly
41, 84.038, 40.804

Monochromacy



Original Color
41, 84.692, 40.556

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 34.150, 30.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 84.763, 40.504 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(195, 11, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 11, 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(195, 11, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 11, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 84.763, 40.504 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(195, 11, 0) }
```

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

```
.border{ border-color:rgb(195, 11, 0) }
```

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

Here you see how a box with a 4 pixel rgb(195, 11, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 11, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 11, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 11, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 84.763, 40.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 11, 0) }
```

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

```
.background{ background-color: rgb(195, 11,  
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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