

Converting Colors

CIELCh(41, 78.612, 43.246)

Have a look what the booklet for
CIELCh(41, 78.612, 43.246) contains.

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Color

CIELCh(41, 78.461, 43.224)

Conversions

Conversions Part 1

Format	Color
Hex	BB2501
RGB	187, 37, 1
RGB Percent	73%, 15%, 0%
CMY	0.2672, 0.8554, 0.9964
CMYK	0.00, 0.80, 1.00, 0.27
HSL	12°, 99%, 37%
HSV	12°, 100%, 73%
XYZ	21.1235, 11.8645, 1.2027
YIQ	77.7460, 100.9560, 20.6040

Conversions

Conversions Part 2

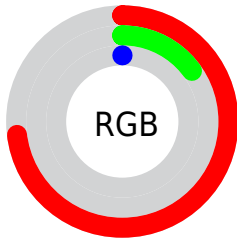
Format	Color
RYB	187, 46, 1
Decimal	12264705
CIELab	41.00, 57.17, 53.73
CIELCh	41, 78.461, 43.224
Yxy	11.8645, 0.6178, 0.3470
Android (android.graphics.Color)	4290454785 (0xFFBB2501)
YUV	77.7460, -37.8358, 95.8158
Hunter-Lab	34.4449, 49.1873, 22.0412

Details

The CIELCh color **41, 78.461, 43.224** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **58, 34.643, 233.988**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 78.602, 43.003**, and **25, 59.691, 38.106** is the 20% darker color. If you saturate the color by 10%, you get **41, 78.797, 43.283**, and if you desaturate by 10%, it is **43, 71.521, 42.769**.

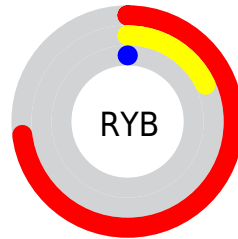
Distribution



Red (73%)

Green (15%)

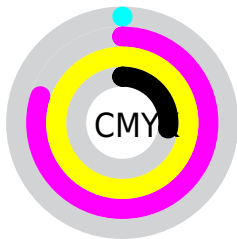
Blue (0%)



Red (73%)

Yellow (18%)

Blue (0%)

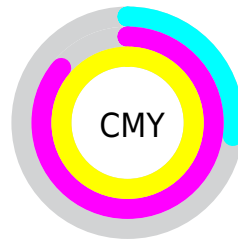


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (86%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 78.461, 43.224 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, 78.461, 43.224 by changing the saturation by 10% instead.

41, 78.461, 43.224

41, 78.461, 43.224

100, 78.461,
43.224

31, 78.461, 43.224

61, 78.461, 43.224

21, 78.461, 43.224

71, 78.461, 43.224

11, 78.461, 43.224

81, 78.461, 43.224

1, 78.461, 43.224

91, 78.461, 43.224

0, 78.461, 43.224

41, 78.461, 43.224

41, 78.461, 43.224

41, 78.797, 43.283

43, 71.521, 42.769

45, 62.940, 41.881

■ 48, 53.672, 40.825

■ 51, 44.453, 39.913

■ 55, 35.614, 39.235

■ 59, 27.301, 38.791

■ 63, 19.566, 38.549

■ 67, 12.411, 38.465

■ 72, 5.808, 38.479

Harmonies

Complementary

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



41, 78.461, 43.224



58, 34.643, 233.988

Rectangle

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



41, 78.461, 43.224



41, 78.461, 93.224



41, 78.461, 223.224



41, 78.461, 273.224

Sweetspot

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



41, 78.458, 43.226



80, 24.655, 38.565



43, 79.271, 337.121



40, 17.259, 38.652



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



41, 78.458, 43.226



53, 96.242, 42.908



58, 65.293, 77.297



38, 3.485, 38.479



34, 69.263, 43.525



4, 10.844, 32.115

Inverse Universe

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



58, 34.643, 233.988



73, 42.197, 234.845



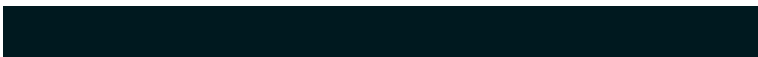
31, 79.131, 297.382



39, 3.288, 219.044



49, 30.619, 233.628



7, 9.517, 227.468

Previews

White Background



This preview shows how the CIELCh color 41, 78.461, 43.224 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, 78.461, 43.224 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, 78.461, 43.224

Background



This preview shows how black text looks on a background with the CIELCh color 41, 78.461, 43.224.



This preview shows how white text looks on a background with the CIELCh color 41, 78.461, 43.224.

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, 78.461, 43.224

Protanopia

41, 42.155, 95.610

Deuteranopia

41, 49.288, 84.174



Tritanopia
41, 70.776, 34.560

Trichromacy



Original Color
41, 78.461, 43.224

Protanomaly
39, 49.158, 63.532

Deuteranomaly
40, 56.410, 61.052

Tritanomaly
41, 73.920, 38.649

Monochromacy



Original Color
41, 78.461, 43.224

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 29.152, 39.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 78.461, 43.224 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(187, 37, 1)` looks like.

```
.text, #text, p{  
    color:rgb(187, 37, 1)  
}
```

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(187, 37, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 37, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 78.461, 43.224 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(187, 37, 1) }
```

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

```
.border{ border-color:rgb(187, 37, 1) }
```

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

Here you see how a box with a 4 pixel rgb(187, 37, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 37, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 37, 1);  
box-shadow:4px 4px 4px 4px rgb(187, 37, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 78.461, 43.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 37, 1) }
```

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

```
.background{ background-color: rgb(187, 37,  
1) }
```

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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