

Converting Colors

CIELCh(41, 68.039, 4.777)

Have a look what the booklet for
CIELCh(41, 68.039, 4.777) contains.

CIELCh(41, 67.968, 4.875)	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, 67.968, 4.875)

Conversions

Conversions Part 1

Format	Color
Hex	BF015A
RGB	191, 1, 90
RGB Percent	75%, 0%, 35%
CMY	0.2500, 0.9972, 0.6463
CMYK	0.00, 1.00, 0.53, 0.25
HSL	332°, 99%, 38%
HSV	332°, 100%, 75%
XYZ	23.4085, 11.8645, 10.7719
YIQ	67.9560, 84.6710, 67.9590

Conversions

Conversions Part 2

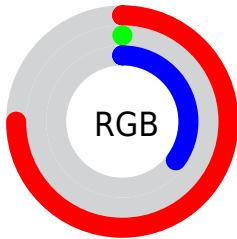
Format	Color
RYB	191, 1, 90
Decimal	12517722
CIELab	41.00, 67.72, 5.78
CIElCh	41, 67.968, 4.875
Yxy	11.8645, 0.5084, 0.2577
Android (android.graphics.Color)	4290707802 (0xFFBF015A)
YUV	67.9560, 10.8677, 107.9096
Hunter-Lab	34.4449, 61.0288, 5.5698

Details

The CIELCh color **41, 67.968, 4.875** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **68, 69.390, 150.745**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 67.777, 4.872**, and **27, 51.868, 15.043** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.027, 5.035**, and if you desaturate by 10%, it is **42, 66.326, 0.753**.

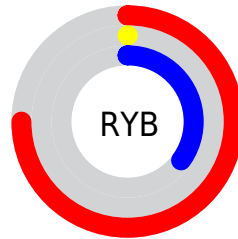
Distribution



Red (75%)

Green (0%)

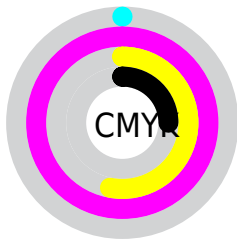
Blue (35%)



Red (75%)

Yellow (0%)

Blue (35%)

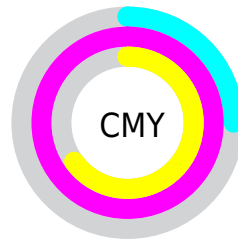


Cyan (0%)

Magenta (100%)

Yellow (53%)

Black (25%)



Cyan (25%)

Magenta (100%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 67.968, 4.875 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, 67.968, 4.875 by changing the saturation by 10% instead.

 41, 67.968, 4.875  41, 67.968, 4.875

 100, 67.968, 4.875  31, 67.968, 4.875

 61, 67.968, 4.875  21, 67.968, 4.875


 71, 67.968, 4.875  11, 67.968, 4.875

 81, 67.968, 4.875  1, 67.968, 4.875

 91, 67.968, 4.875  0, 67.968, 4.875

 41, 67.968, 4.875  41, 67.968, 4.875

 41, 68.027, 5.035  42, 66.326, 0.753

 44, 63.190,
357.361

■ 46, 58.193,
354.683

■ 50, 51.578,
352.550

■ 53, 43.770,
350.819

■ 58, 35.217,
349.376

■ 62, 26.298,
348.145

■ 67, 17.290,
347.068

■ 72, 8.380, 346.096

Harmonies

Complementary

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



41, 67.968, 4.875



68, 69.390, 150.745

Rectangle

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



41, 67.968, 4.875



41, 67.968, 54.875



41, 67.968, 184.875



41, 67.968, 234.875

Sweetspot

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



41, 67.965, 4.876



79, 32.835, 348.243



31, 100.006, 312.274



40, 22.611, 348.753



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



41, 67.965, 4.876



53, 82.505, 5.844



40, 83.770, 40.055



37, 4.881, 346.069



34, 59.117, 4.312



3, 13.724, 353.384

Inverse Universe

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



41, 67.965, 4.876



53, 82.505, 5.844



69, 39.403, 199.012



37, 4.881, 346.069



34, 59.117, 4.312



3, 13.724, 353.384

Previews

White Background



This preview shows how the CIELCh color 41, 67.968, 4.875 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 41, 67.968, 4.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

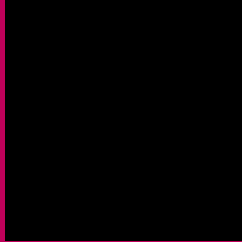
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 67.968, 4.875

Background



This preview shows how black text looks on a background with the CIELCh color 41, 67.968, 4.875.



This preview shows how white text looks on a background with the CIELCh color 41, 67.968, 4.875.

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, 67.871, 4.924

Protanopia

42, 20.052, 284.947

Deuteranopia

42, 12.030, 60.459



Tritanopia
42, 71.107, 34.462

Trichromacy



Original Color
41, 67.871, 4.924

Protanomaly
37, 39.725, 332.655

Deuteranomaly
38, 37.333, 4.493

Tritanomaly
41, 68.515, 24.033

Monochromacy



Original Color
41, 67.871, 4.924

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 34.385, 352.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 67.968, 4.875 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(191, 1, 90)` looks like.

```
.text, #text, p{  
    color:rgb(191, 1, 90)  
}
```

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(191, 1, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 1, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 67.968, 4.875 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(191, 1, 90) }
```

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

```
.border{ border-color:rgb(191, 1, 90) }
```

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

Here you see how a box with a 4 pixel rgb(191, 1, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 1, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 1, 90);  
box-shadow:4px 4px 4px 4px rgb(191, 1, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 67.968, 4.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 1, 90) }
```

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

```
.background{ background-color: rgb(191, 1,  
90) }
```

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