

Converting Colors

CIELCh(40, 66.903, 1.966)

Have a look what the booklet for
CIELCh(40, 66.903, 1.966) contains.

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Color

CIELCh(40, 66.857, 2.022)

Conversions

Conversions Part 1

Format	Color
Hex	BA005D
RGB	186, 0, 93
RGB Percent	73%, 0%, 36%
CMY	0.2702, 0.9987, 0.6350
CMYK	0.00, 1.00, 0.50, 0.27
HSL	330°, 100%, 37%
HSV	330°, 100%, 73%
XYZ	22.2589, 11.2510, 11.3743
YIQ	66.2160, 81.0030, 68.3550

Conversions

Conversions Part 2

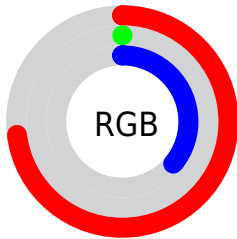
Format	Color
RYB	186, 0, 93
Decimal	12189789
CIELab	40.00, 66.82, 2.36
CIElCh	40, 66.857, 2.022
Yxy	11.2510, 0.4959, 0.2507
Android (android.graphics.Color)	4290379869 (0xFFBA005D)
YUV	66.2160, 13.2045, 105.0506
Hunter-Lab	33.5425, 59.7539, 3.3745

Details

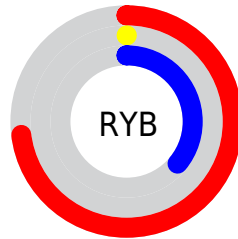
The CIELCh color **40, 66.857, 2.022** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **66, 70.175, 149.204**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 66.871, 1.862**, and **26, 50.295, 11.605** is the 20% darker color. If you saturate the color by 10%, you get **40, 66.878, 2.092**, and if you desaturate by 10%, it is **41, 65.454, 358.215**.

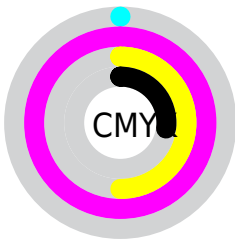
Distribution



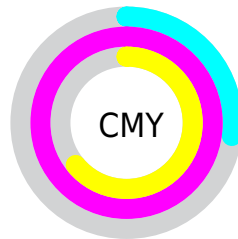
- Red (73%)
- Green (0%)
- Blue (36%)



- Red (73%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 66.857, 2.022 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, 66.857, 2.022 by changing the saturation by 10% instead.

 40, 66.857, 2.022  40, 66.857, 2.022

 100, 66.857, 2.022  30, 66.857, 2.022



 60, 66.857, 2.022  20, 66.857, 2.022


 70, 66.857, 2.022  10, 66.857, 2.022

 80, 66.857, 2.022  0, 66.857, 2.022

 90, 66.857, 2.022

 40, 66.857, 2.022  40, 66.857, 2.022

 40, 66.878, 2.092  41, 65.454,
358.215

 43, 62.542,
355.075

■ 45, 57.738,
352.591

■ 48, 51.291,
350.602

■ 52, 43.626,
348.975

■ 56, 35.188,
347.610

■ 61, 26.356,
346.435

■ 66, 17.409,
345.399

■ 71, 8.537, 344.460

Harmonies

Complementary

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



40, 66.857, 2.022



66, 70.175, 149.204

Rectangle

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



40, 66.857, 2.022



40, 66.857, 52.022



40, 66.857, 182.022



40, 66.857, 232.022

Sweetspot

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



40, 66.854, 2.023



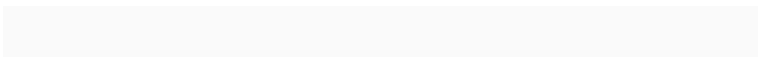
77, 32.851, 346.509



29, 98.415, 311.899



39, 22.610, 346.991



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



40, 66.854, 2.023



52, 81.411, 2.880



39, 82.429, 39.946



36, 4.866, 344.414



33, 58.642, 1.446



3, 12.203, 350.831

Inverse Universe

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



40, 66.854, 2.023



52, 81.411, 2.880



69, 39.544, 196.387



36, 4.866, 344.414



33, 58.642, 1.446



3, 12.203, 350.831

Previews

White Background



This preview shows how the CIELCh color 40, 66.857, 2.022 looks on a white background.

Color Contrast Check

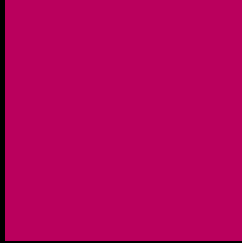
Large Text (above 18pt) WCAG AA ✓ Pass

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, 66.857, 2.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

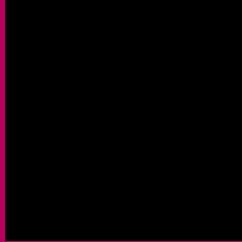
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 66.857, 2.022

Background



This preview shows how black text looks on a background with the CIELCh color 40, 66.857, 2.022.



This preview shows how white text looks on a background with the CIELCh color 40, 66.857, 2.022.

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, 66.857, 2.022

Protanopia

41, 23.798, 284.563

Deuteranopia

41, 9.006, 52.489



Tritanopia
41, 68.417, 33.655

Trichromacy



Original Color
40, 66.857, 2.022

Protanomaly
36, 41.922, 327.906

Deuteranomaly
36, 36.833, 358.930

Tritanomaly
40, 66.175, 22.460

Monochromacy



Original Color
40, 66.857, 2.022

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 34.566, 350.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 66.857, 2.022 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(186, 0, 93)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 93)  
}
```

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(186, 0, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 66.857, 2.022 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(186, 0, 93) }
```

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

```
.border{ border-color:rgb(186, 0, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 0, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 93);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 66.857, 2.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 93) }
```

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

```
.background{ background-color: rgb(186, 0,  
93) }
```

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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