

Converting Colors

CIELCh(42, 67.033, 358.856)

Have a look what the booklet for
CIELCh(42, 67.033, 358.856)
contains.

CIELCh(42, 67.013, 358.668)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 67.013, 358.668)

Conversions

Conversions Part 1

Format	Color
Hex	BF1168
RGB	191, 17, 104
RGB Percent	75%, 7%, 41%
CMY	0.2506, 0.9323, 0.5918
CMYK	0.00, 0.91, 0.46, 0.25
HSL	330°, 83%, 41%
HSV	330°, 91%, 75%
XYZ	24.2206, 12.5000, 14.2564
YIQ	78.9440, 75.7770, 63.9450

Conversions

Conversions Part 2

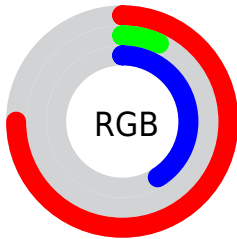
Format	Color
RYB	191, 17, 104
Decimal	12521832
CIELab	42.00, 66.99, -1.56
CIElCh	42, 67.013, 358.668
Yxy	12.5000, 0.4751, 0.2452
Android (android.graphics.Color)	4290711912 (0xFFBF1168)
YUV	78.9440, 12.3526, 98.2731
Hunter-Lab	35.3553, 60.4118, 0.8411

Details

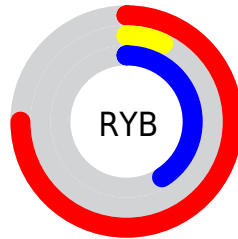
The CIELCh color **42, 67.013, 358.668** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **68, 67.783, 151.103**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.781, 358.644**, and **27, 51.497, 6.711** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.204, 2.163**, and if you desaturate by 10%, it is **44, 64.288, 355.429**.

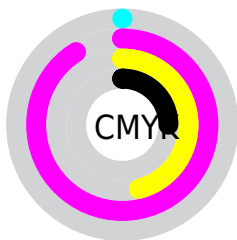
Distribution



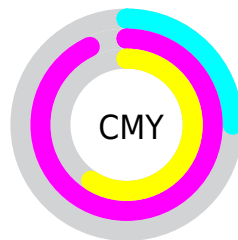
- Red (75%)
- Green (7%)
- Blue (41%)



- Red (75%)
- Yellow (7%)
- Blue (41%)



- Cyan (0%)
- Magenta (91%)
- Yellow (46%)
- Black (25%)



- Cyan (25%)
- Magenta (93%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 67.013, 358.668 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 42, 67.013, 358.668 by changing the saturation by 10% instead.

 42, 67.013,
358.668


 42, 67.013,
358.668

 100, 67.013,
358.668

 32, 67.013,
358.668

 62, 67.013,
358.668

 22, 67.013,
358.668

 72, 67.013,
358.668

 12, 67.013,
358.668

 82, 67.013,
358.668

 2, 67.013, 358.668

 92, 67.013,
358.668

 0, 67.013, 358.668

 42, 67.013,

 42, 67.013,

358.668

358.668

■ 41, 68.204, 2.163

■ 44, 64.288,
355.429

■ 46, 59.620,
352.865

■ 49, 53.222,
350.819

■ 53, 45.520,
349.151

■ 57, 36.972,
347.755

■ 62, 27.979,
346.558

■ 67, 18.838,
345.507

■ 72, 9.755, 344.557

Harmonies

Complementary

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



42, 67.013, 358.668



68, 67.783, 151.103

Rectangle

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



42, 67.013, 358.668



42, 67.013, 48.668



42, 67.013, 178.668



42, 67.013, 228.668

Sweetspot

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



42, 67.010, 358.669



80, 30.037, 346.171



32, 96.449, 312.343



41, 20.432, 346.548



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 67.010, 358.669



53, 82.700, 2.919



40, 79.106, 37.539



37, 4.978, 344.408



34, 59.341, 1.493



3, 13.945, 351.640

Inverse Universe

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



42, 67.010, 358.669



53, 82.700, 2.919



70, 39.764, 196.427



37, 4.978, 344.408



34, 59.341, 1.493



3, 13.945, 351.640

Previews

White Background



This preview shows how the CIELCh color 42, 67.013, 358.668 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 42, 67.013, 358.668 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 42, 67.013, 358.668

Background



This preview shows how black text looks on a background with the CIELCh color 42, 67.013, 358.668.



This preview shows how white text looks on a background with the CIELCh color 42, 67.013, 358.668.

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

42, 67.013, 358.668

Protanopia

43, 29.699, 285.021

Deuteranopia

43, 6.455, 25.496



Tritanopia
42, 66.745, 32.527

Trichromacy



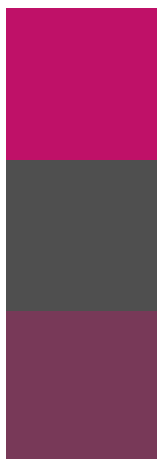
Original Color
42, 67.013, 358.668

Protanomaly
38, 42.606, 322.546

Deuteranomaly
39, 34.853, 353.910

Tritanomaly
42, 64.352, 20.039

Monochromacy



Original Color
42, 67.013, 358.668

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 31.962, 349.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 67.013, 358.668 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, 17, 104)` looks like.

```
.text, #text, p{  
  color:rgb(191, 17, 104)  
}
```

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, 17, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 17, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 67.013, 358.668 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, 17, 104) }
```

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

```
.border{ border-color:rgb(191, 17, 104) }
```

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

Here you see how a box with a 4 pixel rgb(191, 17, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 17, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 17, 104);  
box-shadow:4px 4px 4px 4px rgb(191, 17,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 67.013, 358.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 17, 104) }
```

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

```
.background{ background-color: rgb(191, 17,  
104) }
```

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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