

Converting Colors

CIELCh(37, 80.343, 351.441)

Have a look what the booklet for
CIELCh(37, 80.343, 351.441)
contains.

CIELCh(41, 68.714, 354.418)	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(41, 68.714, 354.418)

Conversions

Conversions Part 1

Format	Color
Hex	BC036E
RGB	188, 3, 110
RGB Percent	74%, 1%, 43%
CMY	0.2629, 0.9893, 0.5695
CMYK	0.00, 0.99, 0.42, 0.26
HSL	325°, 97%, 37%
HSV	325°, 99%, 74%
XYZ	23.5581, 11.8645, 15.7376
YIQ	70.5130, 75.9130, 72.4970

Conversions

Conversions Part 2

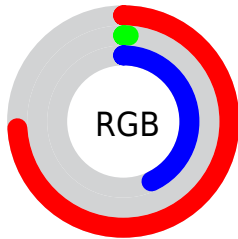
Format	Color
R_{YB}	188, 3, 110
Decimal	12321646
CIE _{Lab}	41.00, 68.39, -6.68
CIE _{LCh}	41, 68.714, 354.418
Yxy	11.8645, 0.4605, 0.2319
Android (android.graphics.Color)	4290511726 (0xFFBC036E)
YUV	70.5130, 19.4671, 103.0361
Hunter-Lab	34.4449, 61.8038, -2.9776

Details

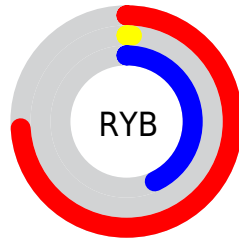
The CIELCh color **41, 68.714, 354.418** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **67, 75.752, 145.824**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 68.796, 354.498**, and **27, 51.153, 1.666** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.835, 354.868**, and if you desaturate by 10%, it is **42, 67.624, 351.459**.

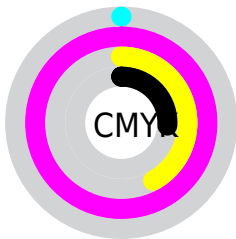
Distribution



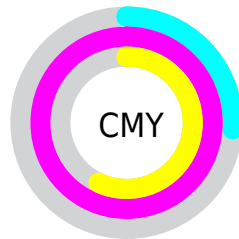
- Red (74%)
- Green (1%)
- Blue (43%)



- Red (74%)
- Yellow (1%)
- Blue (43%)



- Cyan (0%)
- Magenta (99%)
- Yellow (42%)
- Black (26%)



- Cyan (26%)
- Magenta (99%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 68.714, 354.418 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, 68.714, 354.418 by changing the saturation by 10% instead.


 41, 68.714,
354.418

 41, 68.714,
354.418


 100, 68.714,
354.418

 31, 68.714,
354.418

 61, 68.714,
354.418


 21, 68.714,
354.418


 71, 68.714,
354.418


 11, 68.714,
354.418


 81, 68.714,
354.418

 1, 68.714, 354.418

 91, 68.714,
354.418

 0, 68.714, 354.418

 41, 68.714,

 41, 68.714,

354.418

354.418

■ 41, 68.835,
354.868

■ 42, 67.624,
351.459

■ 44, 64.661,
349.052

■ 46, 59.646,
347.120

■ 50, 52.890,
345.539

■ 53, 44.851,
344.210

■ 58, 35.993,
343.063

■ 62, 26.703,
342.050

■ 67, 17.269,
341.135

Harmonies

Complementary

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



41, 68.714, 354.418



67, 75.752, 145.824

Rectangle

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



41, 68.714, 354.418



41, 68.714, 44.418



41, 68.714, 174.418



41, 68.714, 224.418

Sweetspot

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



41, 68.711, 354.419



78, 34.795, 342.238



28, 100.289, 310.202



39, 23.719, 342.661



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, 68.711, 354.419



53, 83.724, 355.484



39, 78.854, 36.235



37, 5.253, 340.354



34, 60.699, 354.385



3, 14.639, 346.987

Inverse Universe

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



41, 68.711, 354.419



53, 83.724, 355.484



69, 42.829, 184.571



37, 5.253, 340.354



34, 60.699, 354.385



3, 14.639, 346.987

Previews

White Background



This preview shows how the CIELCh color 41, 68.714, 354.418 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, 68.714, 354.418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

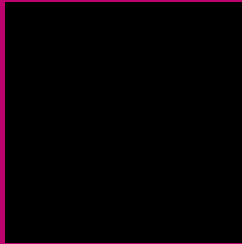
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 68.714, 354.418

Background



This preview shows how black text looks on a background with the CIELCh color 41, 68.714, 354.418.



This preview shows how white text looks on a background with the CIELCh color 41, 68.714, 354.418.

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, 68.725, 354.340

Protanopia

42, 37.013, 285.740

Deuteranopia

42, 5.860, 342.014



Tritanopia
42, 64.870, 31.867

Trichromacy



Original Color
41, 68.725, 354.340

Protanomaly
36, 49.991, 317.962

Deuteranomaly
37, 38.355, 344.600

Tritanomaly
41, 63.494, 16.931

Monochromacy



Original Color
41, 68.725, 354.340

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 35.307, 345.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 68.714, 354.418 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(188, 3, 110)` looks like.

```
.text, #text, p{  
    color:rgb(188, 3, 110)  
}
```

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(188, 3, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 3, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 68.714, 354.418 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(188, 3, 110) }
```

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

```
.border{ border-color:rgb(188, 3, 110) }
```

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

Here you see how a box with a 4 pixel rgb(188, 3, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 3, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 3, 110);  
box-shadow:4px 4px 4px 4px rgb(188, 3,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 68.714, 354.418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 3, 110) }
```

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

```
.background{ background-color: rgb(188, 3,  
110) }
```

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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