

Converting Colors

CIELCh(48, 65.821, 336.202)

Have a look what the booklet for
CIELCh(48, 65.821, 336.202)
contains.

CIELCh(48, 65.894, 336.144)	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(48, 65.894, 336.144)

Conversions

Conversions Part 1

Format	Color
Hex	BC3FA0
RGB	188, 63, 160
RGB Percent	74%, 25%, 63%
CMY	0.2626, 0.7528, 0.3724
CMYK	0.00, 0.66, 0.15, 0.26
HSL	313°, 50%, 49%
HSV	313°, 66%, 74%
XYZ	28.8760, 16.7945, 34.9932
YIQ	111.4330, 43.3630, 56.6670

Conversions

Conversions Part 2

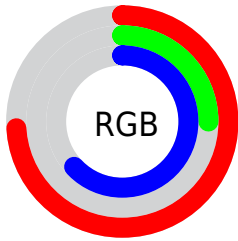
Format	Color
R_{YB}	188, 63, 160
Decimal	12337056
CIE _{Lab}	48.00, 60.26, -26.65
CIE _{LCh}	48, 65.894, 336.144
Yxy	16.7945, 0.3580, 0.2082
Android (android.graphics.Color)	4290527136 (0xFFBC3FA0)
YUV	111.4330, 23.9435, 67.1493
Hunter-Lab	40.9810, 54.0574, -21.9403

Details

The CIELCh color **48, 65.894, 336.144** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **68, 67.256, 144.600**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 66.084, 336.132**, and **29, 61.712, 336.421** is the 20% darker color. If you saturate the color by 10%, you get **46, 71.832, 337.048**, and if you desaturate by 10%, it is **51, 58.104, 335.317**.

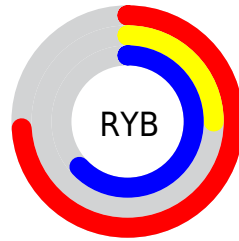
Distribution



Red (74%)

Green (25%)

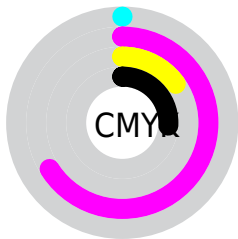
Blue (63%)



Red (74%)

Yellow (25%)

Blue (63%)

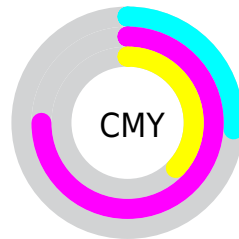


Cyan (0%)

Magenta (66%)

Yellow (15%)

Black (26%)



Cyan (26%)


Magenta (75%)

Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 65.894, 336.144 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 48, 65.894, 336.144 by changing the saturation by 10% instead.

 48, 65.894,
336.144


 48, 65.894,
336.144

 100, 65.894,
336.144


 38, 65.894,
336.144

 68, 65.894,
336.144


 28, 65.894,
336.144

 78, 65.894,
336.144

 18, 65.894,
336.144

 88, 65.894,
336.144

 8, 65.894, 336.144

 98, 65.894,
336.144

 0, 65.894, 336.144

 48, 65.894,

 48, 65.894,

336.144

46, 71.832,
337.048

44, 75.566,
338.066

43, 77.043,
339.239

42, 77.318,
339.674

336.144

51, 58.104,
335.317

55, 48.948,
334.542

59, 38.895,
333.805

63, 28.345,
333.098

68, 17.601,
332.417

73, 6.874, 331.744

78, 3.696, 151.251

83, 14.028,
150.603

■ 88, 24.075,
150.035

Harmonies

Complementary

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



48, 65.894, 336.144



68, 67.256, 144.600

Rectangle

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



48, 65.894, 336.144



48, 65.894, 26.144



48, 65.894, 156.144



48, 65.894, 206.144

Sweetspot

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



48, 65.891, 336.144



84, 26.513, 332.677



37, 75.818, 305.124



43, 18.092, 332.869



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



48, 65.891, 336.144



58, 90.119, 337.523



46, 53.298, 7.988



37, 6.047, 331.941



35, 68.153, 339.488



3, 17.223, 335.516

Inverse Universe

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



48, 65.891, 336.144



58, 90.119, 337.523



69, 43.482, 169.438



37, 6.047, 331.941



35, 68.153, 339.488



3, 17.223, 335.516

Previews

White Background



This preview shows how the CIELCh color 48, 65.894, 336.144 looks on a white background.

Color Contrast Check

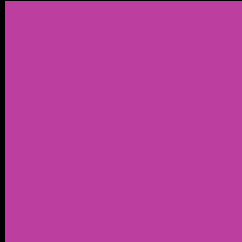
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 65.894, 336.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

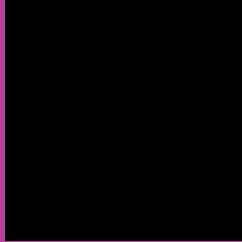
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 65.894, 336.144

Background



This preview shows how black text looks on a background with the CIELCh color 48, 65.894, 336.144.

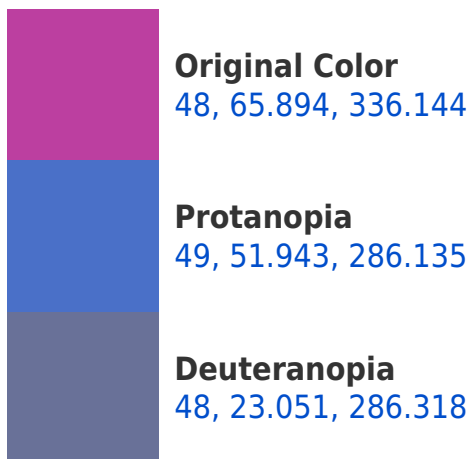


This preview shows how white text looks on a background with the CIELCh color 48, 65.894, 336.144.

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





Tritanopia
48, 43.324, 21.521

Trichromacy



Original Color
48, 65.894, 336.144

Protanomaly
46, 54.370, 303.469

Deuteranomaly
47, 38.249, 316.297

Tritanomaly
48, 47.477, 359.974

Monochromacy



Original Color
48, 65.894, 336.144

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 27.091, 333.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 65.894, 336.144 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, 63, 160)` looks like.

```
.text, #text, p{  
    color:rgb(188, 63, 160)  
}
```

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, 63, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 63, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 65.894, 336.144 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, 63, 160) }
```

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

```
.border{ border-color:rgb(188, 63, 160) }
```

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

Here you see how a box with a 4 pixel rgb(188, 63, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 63, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 63, 160);  
box-shadow:4px 4px 4px 4px rgb(188, 63,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 65.894, 336.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 63, 160) }
```

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

```
.background{ background-color: rgb(188, 63,  
160) }
```

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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