

Converting Colors

CIELCh(48, 85.014, 327.375)

Have a look what the booklet for
CIELCh(48, 85.014, 327.375)
contains.

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Color

CIELCh(48, 85.168, 327.239)

Conversions

Conversions Part 1

Format	Color
Hex	BE2EC1
RGB	190, 46, 193
RGB Percent	75%, 18%, 76%
CMY	0.2543, 0.8188, 0.2425
CMYK	0.02, 0.76, 0.00, 0.24
HSL	299°, 61%, 47%
HSV	299°, 76%, 76%
XYZ	31.9028, 16.7945, 52.1014
YIQ	105.8140, 38.6370, 76.2450

Conversions

Conversions Part 2

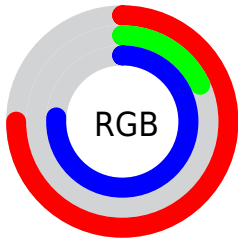
Format	Color
R_{YB}	190, 46, 193
Decimal	12463809
CIE _{Lab}	48.00, 71.62, -46.09
CIE _{LCh}	48, 85.168, 327.239
Yxy	16.7945, 0.3165, 0.1666
Android (android.graphics.Color)	4290653889 (0xFFBE2EC1)
YUV	105.8140, 42.9827, 73.8311
Hunter-Lab	40.9810, 67.2412, -46.6918

Details

The CIELCh color **48, 85.168, 327.239** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **69, 86.874, 137.283**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 85.195, 327.343**, and **31, 73.778, 326.302** is the 20% darker color. If you saturate the color by 10%, you get **46, 90.297, 327.383**, and if you desaturate by 10%, it is **50, 77.736, 326.994**.

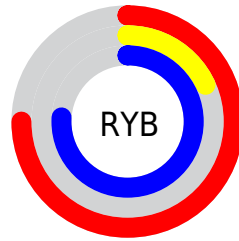
Distribution



Red (75%)

Green (18%)

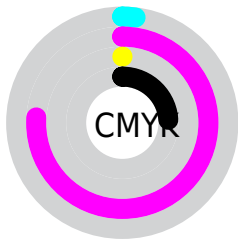
Blue (76%)



Red (75%)

Yellow (18%)

Blue (76%)

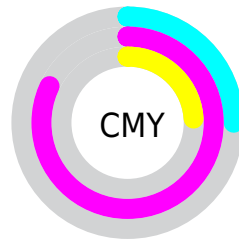


Cyan (2%)

Magenta (76%)

Yellow (0%)

Black (24%)



Cyan (25%)


Magenta (82%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 85.168, 327.239 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, 85.168, 327.239 by changing the saturation by 10% instead.


 48, 85.168,
327.239


 48, 85.168,
327.239


 100, 85.168,
327.239


 38, 85.168,
327.239

 68, 85.168,
327.239


 28, 85.168,
327.239

 78, 85.168,
327.239

 18, 85.168,
327.239

 88, 85.168,
327.239

 8, 85.168, 327.239

 98, 85.168,
327.239

 0, 85.168, 327.239

 48, 85.168,

 48, 85.168,

327.239

327.239

■ 46, 90.297,
327.383

■ 50, 77.736,
326.994

■ 45, 93.089,
327.425

■ 53, 68.341,
326.657

■ 45, 93.856,
327.427

■ 57, 57.454,
326.245

■ 61, 45.561,
325.777

■ 65, 33.089,
325.270

■ 70, 20.375,
324.741

■ 75, 7.662, 324.190

■ 80, 4.885, 143.747

■ 85, 17.161,
143.199

Harmonies

Complementary

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



48, 85.168, 327.239



69, 86.874, 137.283

Rectangle

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



48, 85.168, 327.239



48, 85.168, 17.239



48, 85.168, 147.239



48, 85.168, 197.239

Sweetspot

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



48, 85.166, 327.239



84, 35.979, 325.128



31, 87.170, 302.103



43, 24.889, 325.318



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



48, 85.166, 327.239



59, 112.046, 327.420



45, 63.635, 351.656



38, 7.180, 324.376



37, 81.878, 327.438



4, 23.963, 325.492

Inverse Universe

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



44, 66.973, 31.123



53, 96.887, 37.135



69, 62.532, 152.485



38, 4.186, 18.272



33, 72.922, 38.903



3, 14.006, 18.292

Previews

White Background



This preview shows how the CIELCh color 48, 85.168, 327.239 looks on a white background.

Color Contrast Check

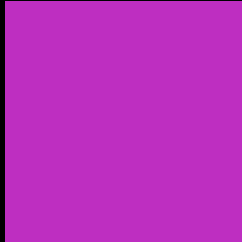
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.168, 327.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

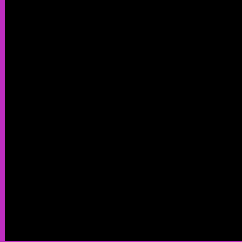
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 85.168, 327.239

Background



This preview shows how black text looks on a background with the CIELCh color 48, 85.168, 327.239.

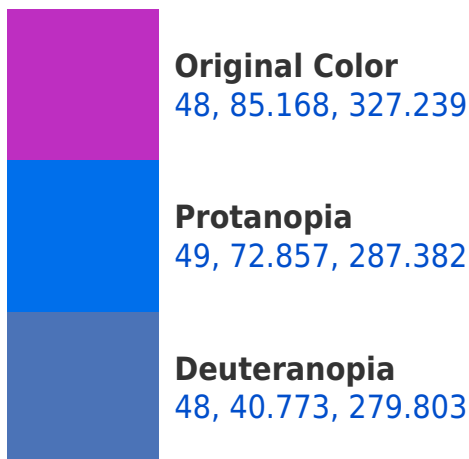


This preview shows how white text looks on a background with the CIELCh color 48, 85.168, 327.239.

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, 41.477, 20.939

Trichromacy



Original Color
48, 85.168, 327.239



Protanomaly
43, 78.918, 297.408



Deuteranomaly
45, 58.119, 305.116



Tritanomaly
47, 51.796, 350.209

Monochromacy



Original Color
48, 85.168, 327.239



Achromatopsia
45, 0.006, 296.813



Achromatomaly
43, 37.506, 325.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 85.168, 327.239 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(190, 46, 193)` looks like.

```
.text, #text, p{  
    color:rgb(190, 46, 193)  
}
```

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(190, 46, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 46, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 85.168, 327.239 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(190, 46, 193) }
```

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

```
.border{ border-color:rgb(190, 46, 193) }
```

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

Here you see how a box with a 4 pixel rgb(190, 46, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 46, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 46, 193);  
box-shadow:4px 4px 4px 4px rgb(190, 46,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 85.168, 327.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 46, 193) }
```

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

```
.background{ background-color: rgb(190, 46,  
193) }
```

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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