

Converting Colors

CIELCh(50, 65.562, 329.808)

Have a look what the booklet for
CIELCh(50, 65.562, 329.808)
contains.

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Color

CIELCh(50, 65.672, 329.731)

Conversions

Conversions Part 1

Format	Color
Hex	B84BB0
RGB	184, 75, 176
RGB Percent	72%, 29%, 69%
CMY	0.2776, 0.7051, 0.3090
CMYK	0.00, 0.59, 0.04, 0.28
HSL	304°, 44%, 51%
HSV	304°, 59%, 72%
XYZ	30.2038, 18.4187, 43.1418
YIQ	119.1050, 32.5430, 54.5190

Conversions

Conversions Part 2

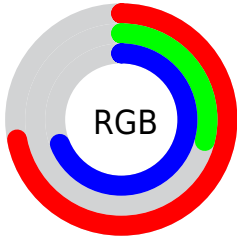
Format	Color
RYB	184, 75, 176
Decimal	12078000
CIELab	50.00, 56.72, -33.10
CIELCh	50, 65.672, 329.731
Yxy	18.4187, 0.3291, 0.2007
Android (android.graphics.Color)	4290268080 (0xFFB84BB0)
YUV	119.1050, 28.0492, 56.9129
Hunter-Lab	42.9170, 50.5188, -29.5587

Details

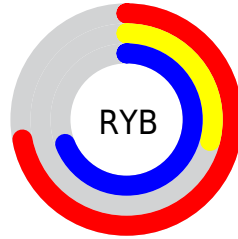
The CIELCh color **50, 65.672, 329.731** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **67, 66.536, 141.220**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 65.461, 329.628**, and **30, 65.667, 329.751** is the 20% darker color. If you saturate the color by 10%, you get **47, 73.699, 330.198**, and if you desaturate by 10%, it is **53, 56.079, 329.224**.

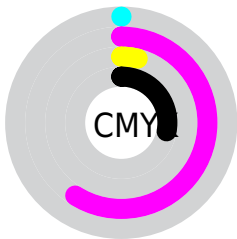
Distribution



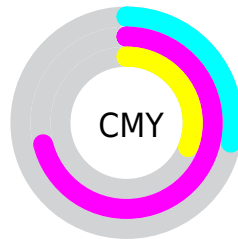
- Red (72%)
- Green (29%)
- Blue (69%)



- Red (72%)
- Yellow (29%)
- Blue (69%)



- Cyan (0%)
- Magenta (59%)
- Yellow (4%)
- Black (28%)





- Cyan (28%)
- Magenta (71%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 65.672, 329.731 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 50, 65.672, 329.731 by changing the saturation by 10% instead.


 50, 65.672,
329.731


 50, 65.672,
329.731


 100, 65.672,
329.731


 40, 65.672,
329.731


 70, 65.672,
329.731

 30, 65.672,
329.731


 80, 65.672,
329.731


 20, 65.672,
329.731

 90, 65.672,
329.731

 10, 65.672,
329.731

 0, 65.672, 329.731

 50, 65.672,
329.731

 50, 65.672,
329.731

47, 73.699,
330.198

53, 56.079,
329.224

45, 79.739,
330.621

57, 45.398,
328.686

44, 83.529,
331.004

61, 34.055,
328.126

43, 85.326,
331.361

66, 22.393,
327.555

43, 85.451,
331.390

70, 10.668,
326.974

75, 0.946, 146.713

80, 12.336,
145.916

85, 23.437,
145.381

90, 34.215,
144.876

Harmonies

Complementary

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



50, 65.672, 329.731



67, 66.536, 141.220

Rectangle

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



50, 65.672, 329.731



50, 65.672, 19.731



50, 65.672, 149.731



50, 65.672, 199.731

Sweetspot

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



50, 65.670, 329.731



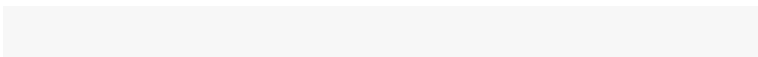
84, 26.033, 327.504



38, 66.213, 300.717



43, 18.089, 327.671



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



50, 65.670, 329.731



60, 92.275, 330.330



48, 48.997, 354.911



36, 6.572, 326.984



36, 75.471, 331.346



3, 17.466, 327.705

Inverse Universe

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



50, 65.670, 329.731



60, 92.275, 330.330



68, 44.945, 160.715



36, 6.572, 326.984



36, 75.471, 331.346



3, 17.466, 327.705

Previews

White Background



This preview shows how the CIELCh color 50, 65.672, 329.731 looks on a white background.

Color Contrast Check

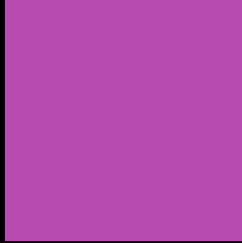
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 65.672, 329.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

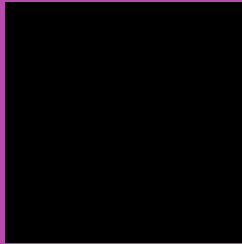
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 65.672, 329.731

Background



This preview shows how black text looks on a background with the CIELCh color 50, 65.672, 329.731.



This preview shows how white text looks on a background with the CIELCh color 50, 65.672, 329.731.

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

50, 65.672, 329.731

Protanopia

50, 56.188, 286.854

Deuteranopia

50, 30.079, 283.526



Tritanopia
50, 35.199, 17.862

Trichromacy



Original Color
50, 65.672, 329.731



Protanomaly
48, 57.705, 301.039



Deuteranomaly
49, 42.380, 308.335



Tritanomaly
50, 42.057, 352.206

Monochromacy



Original Color
50, 65.672, 329.731



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 26.544, 328.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 65.672, 329.731 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(184, 75, 176)` looks like.

```
.text, #text, p{  
    color:rgb(184, 75, 176)  
}
```

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(184, 75, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 75, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 65.672, 329.731 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(184, 75, 176) }
```

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

```
.border{ border-color:rgb(184, 75, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 75, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 75, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 75, 176);  
box-shadow:4px 4px 4px 4px rgb(184, 75,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 65.672, 329.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 75, 176) }
```

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

```
.background{ background-color: rgb(184, 75,  
176) }
```

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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