

Converting Colors

CIELCh(50, 75.721, 327.605)

Have a look what the booklet for
CIELCh(50, 75.721, 327.605)
contains.

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Color

CIELCh(50, 75.721, 327.605)

Conversions

Conversions Part 1

Format	Color
Hex	BD42BD
RGB	189, 66, 189
RGB Percent	74%, 26%, 74%
CMY	0.2584, 0.7407, 0.2584
CMYK	0.00, 0.65, 0.00, 0.26
HSL	300°, 48%, 50%
HSV	300°, 65%, 74%
XYZ	32.1615, 18.4187, 50.0589
YIQ	116.7990, 33.8250, 64.3290

Conversions

Conversions Part 2

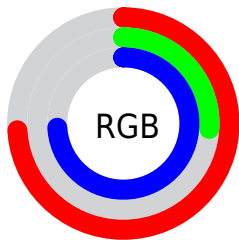
Format	Color
R _{YB}	189, 66, 189
Decimal	12403389
CIE Lab	50.00, 63.94, -40.57
CIE LCh	50, 75.721, 327.605
Yxy	18.4187, 0.3196, 0.1830
Android (android.graphics.Color)	4290593469 (0xFFBD42BD)
YUV	116.7990, 35.5951, 63.3203
Hunter-Lab	42.9170, 58.6613, -39.1148

Details

The CIELCh color **50, 75.721, 327.605** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **68, 76.771, 138.706**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 75.678, 327.546**, and **31, 72.114, 327.378** is the 20% darker color. If you saturate the color by 10%, you get **48, 83.185, 327.892**, and if you desaturate by 10%, it is **53, 66.349, 327.237**.

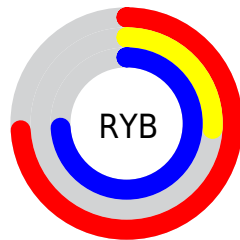
Distribution



Red (74%)

Green (26%)

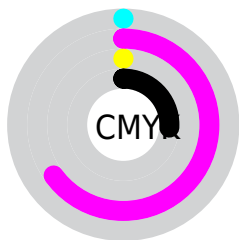
Blue (74%)



Red (74%)

Yellow (26%)

Blue (74%)

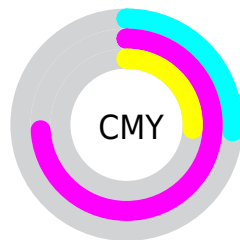


Cyan (0%)

Magenta (65%)

Yellow (0%)

Black (26%)



Cyan (26%)


Magenta (74%)


Yellow (26%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 75.721, 327.605 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, 75.721, 327.605 by changing the saturation by 10% instead.


 50, 75.721,
327.605


 50, 75.721,
327.605


 100, 75.721,
327.605


 40, 75.721,
327.605


 70, 75.721,
327.605

 30, 75.721,
327.605


 80, 75.721,
327.605


 20, 75.721,
327.605

 90, 75.721,
327.605

 10, 75.721,
327.605

 0, 75.721, 327.605

 50, 75.721,
327.605

 50, 75.721,
327.605

48, 83.185,
327.892

53, 66.349,
327.237

46, 88.418,
328.090

56, 55.536,
326.800

45, 91.346,
328.199

60, 43.751,
326.313

45, 92.299,
328.235

65, 31.411,
325.791

69, 18.842,
325.247

74, 6.282, 324.677

79, 6.107, 144.219

84, 18.223,
143.667

89, 30.007,
143.157

Harmonies

Complementary

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



50, 75.721, 327.605



68, 76.771, 138.706

Rectangle

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



50, 75.721, 327.605



50, 75.721, 17.605



50, 75.721, 147.605



50, 75.721, 197.605

Sweetspot

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



50, 75.719, 327.605



85, 30.941, 325.536



35, 75.153, 300.630



43, 21.104, 325.688



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



50, 75.719, 327.605



60, 103.995, 327.986



47, 55.555, 351.553



37, 7.068, 324.930



37, 80.846, 328.235



3, 21.489, 325.462

Inverse Universe

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



50, 75.719, 327.605



60, 103.995, 327.986



69, 52.752, 156.132



37, 7.068, 324.930



37, 80.846, 328.235



3, 21.489, 325.462

Previews

White Background



This preview shows how the CIELCh color 50, 75.721, 327.605 looks on a white background.

Color Contrast Check

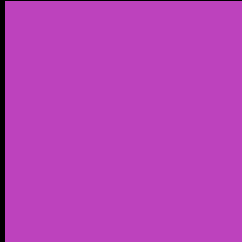
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 75.721, 327.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

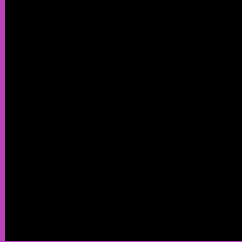
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 75.721, 327.605

Background



This preview shows how black text looks on a background with the CIELCh color 50, 75.721, 327.605.



This preview shows how white text looks on a background with the CIELCh color 50, 75.721, 327.605.

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, 75.721, 327.605

Protanopia

50, 70.018, 287.830

Deuteranopia

50, 36.147, 281.372



Tritanopia
50, 37.454, 18.659

Trichromacy



Original Color
50, 75.721, 327.605



Protanomaly
47, 70.974, 298.657



Deuteranomaly
48, 49.620, 305.904



Tritanomaly
49, 46.591, 350.300

Monochromacy



Original Color
50, 75.721, 327.605



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 31.371, 326.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 75.721, 327.605 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(189, 66, 189)` looks like.

```
.text, #text, p{  
    color:rgb(189, 66, 189)  
}
```

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(189, 66, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 66, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 75.721, 327.605 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(189, 66, 189) }
```

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

```
.border{ border-color:rgb(189, 66, 189) }
```

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

Here you see how a box with a 4 pixel rgb(189, 66, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 66, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 66, 189);  
box-shadow:4px 4px 4px 4px rgb(189, 66,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 75.721, 327.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 66, 189) }
```

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

```
.background{ background-color: rgb(189, 66,  
189) }
```

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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