

Converting Colors

CIELCh(50, 95.773, 319.792)

Have a look what the booklet for
CIELCh(50, 95.773, 319.792)
contains.

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Color

CIELCh(50, 95.632, 319.699)

Conversions

Conversions Part 1

Format	Color
Hex	B738E2
RGB	183, 56, 226
RGB Percent	72%, 22%, 89%
CMY	0.2819, 0.7799, 0.1133
CMYK	0.19, 0.75, 0.00, 0.11
HSL	285°, 75%, 55%
HSV	285°, 75%, 89%
XYZ	34.7180, 18.4187, 73.7566
YIQ	113.3530, 21.1220, 79.7940

Conversions

Conversions Part 2

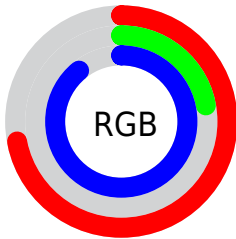
Format	Color
R _Y B	183, 56, 226
Decimal	12007650
CIE Lab	50.00, 72.93, -61.86
CIE LCh	50, 95.632, 319.699
Yxy	18.4187, 0.2736, 0.1452
Android (android.graphics.Color)	4290197730 (0xFFB738E2)
YUV	113.3530, 55.5350, 61.0804
Hunter-Lab	42.9170, 69.2943, -71.8533

Details

The CIELCh color **50, 95.632, 319.699** is a light color, and the websafe version is hex **9933CC**. The color can be described as light washed purple. A complement of this color would be **80, 92.842, 133.363**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 82.585, 324.603**, and **32, 87.795, 318.556** is the 20% darker color. If you saturate the color by 10%, you get **47, 102.859, 319.518**, and if you desaturate by 10%, it is **54, 85.881, 319.655**.

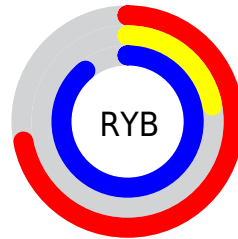
Distribution



Red (72%)

Green (22%)

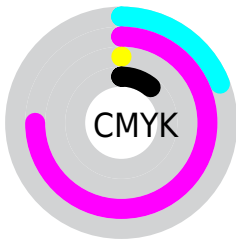
Blue (89%)



Red (72%)

Yellow (22%)

Blue (89%)

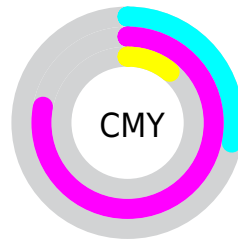


Cyan (19%)

Magenta (75%)

Yellow (0%)

Black (11%)



Cyan (28%)


Magenta (78%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 95.632, 319.699 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, 95.632, 319.699 by changing the saturation by 10% instead.


 50, 95.632,
319.699


 50, 95.632,
319.699


 100, 95.632,
319.699


 40, 95.632,
319.699


 70, 95.632,
319.699

 30, 95.632,
319.699


 80, 95.632,
319.699


 20, 95.632,
319.699

 90, 95.632,
319.699

 10, 95.632,
319.699

 0, 95.632, 319.699

 50, 95.632,
319.699

 50, 95.632,
319.699

47, 102.859,
319.518

54, 85.881,
319.655

45, 107.161,
319.066

58, 74.264,
319.444

44, 108.500,
318.782

64, 61.440,
319.118

69, 47.953,
318.723

75, 34.206,
318.291

81, 20.470,
317.847

87, 6.917, 317.392

93, 6.350, 137.040

98, 16.462,
135.453

Harmonies

Complementary

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



50, 95.632, 319.699



80, 92.842, 133.363

Rectangle

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



50, 95.632, 319.699



50, 95.632, 9.699



50, 95.632, 139.699



50, 95.632, 189.699

Sweetspot

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



50, 95.631, 319.699



85, 34.409, 318.202



47, 73.354, 292.299



43, 23.865, 318.362



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 95.631, 319.699



52, 115.605, 319.308



55, 81.734, 337.472



44, 7.572, 317.590



34, 89.890, 318.922



5, 35.129, 319.498

Inverse Universe

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



52, 68.543, 13.740



55, 85.390, 20.902



80, 85.264, 143.362



44, 4.989, 0.142



37, 67.967, 25.002



6, 25.299, 10.093

Previews

White Background



This preview shows how the CIELCh color 50, 95.632, 319.699 looks on a white background.

Color Contrast Check

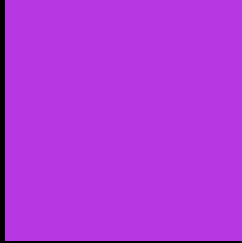
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.632, 319.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

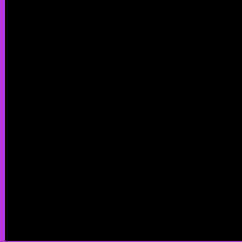
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 95.632, 319.699

Background



This preview shows how black text looks on a background with the CIELCh color 50, 95.632, 319.699.



This preview shows how white text looks on a background with the CIELCh color 50, 95.632, 319.699.

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, 95.632, 319.699

Protanopia
50, 75.271, 287.570

Deuteranopia
50, 56.274, 278.146



Tritanopia
50, 28.491, 14.036

Trichromacy



Original Color
50, 95.632, 319.699



Protanomaly
46, 83.840, 296.676



Deuteranomaly
46, 71.896, 295.194



Tritanomaly
49, 49.199, 335.489

Monochromacy



Original Color
50, 95.632, 319.699



Achromatopsia
48, 0.006, 296.813



Achromatomaly
46, 40.104, 318.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 95.632, 319.699 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(183, 56, 226)` looks like.

```
.text, #text, p{  
    color:rgb(183, 56, 226)  
}
```

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(183, 56, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 56, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 95.632, 319.699 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(183, 56, 226) }
```

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

```
.border{ border-color:rgb(183, 56, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 56, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 56, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 56, 226);  
box-shadow:4px 4px 4px 4px rgb(183, 56,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 95.632, 319.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 56, 226) }
```

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

```
.background{ background-color: rgb(183, 56,  
226) }
```

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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