

Converting Colors

CIELCh(48, 58.777, 337.359)

Have a look what the booklet for
CIELCh(48, 58.777, 337.359)
contains.

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Color

CIELCh(48, 58.777, 337.359)

Conversions

Conversions Part 1

Format	Color
Hex	B64799
RGB	182, 71, 153
RGB Percent	71%, 28%, 60%
CMY	0.2857, 0.7210, 0.3994
CMYK	0.00, 0.61, 0.16, 0.29
HSL	316°, 44%, 50%
HSV	316°, 61%, 71%
XYZ	27.3528, 16.7945, 31.9996
YIQ	113.5370, 39.8340, 49.0340

Conversions

Conversions Part 2

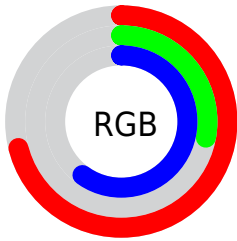
Format	Color
R_{YB}	182, 71, 153
Decimal	11945881
CIE _{Lab}	48.00, 54.25, -22.63
CIE _{LCh}	48, 58.777, 337.359
Yxy	16.7945, 0.3592, 0.2206
Android (android.graphics.Color)	4290135961 (0xFFB64799)
YUV	113.5370, 19.4553, 60.0421
Hunter-Lab	40.9810, 47.4231, -17.6092

Details

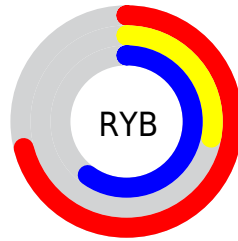
The CIELCh color $48, 58.777, 337.359$ is a dark color, and the websafe version is hex `CC3399`. A complement of this color would be $66, 59.220, 146.707$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 59.115, 337.036$, and $28, 58.799, 337.274$ is the 20% darker color. If you saturate the color by 10%, you get $45, 65.479, 338.340$, and if you desaturate by 10%, it is $51, 50.559, 336.473$.

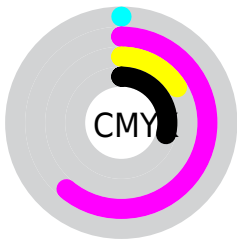
Distribution



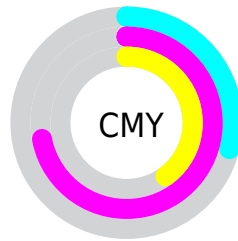
- Red (71%)
- Green (28%)
- Blue (60%)



- Red (71%)
- Yellow (28%)
- Blue (60%)



- Cyan (0%)
- Magenta (61%)
- Yellow (16%)
- Black (29%)





- Cyan (29%)
- Magenta (72%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 58.777, 337.359 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, 58.777, 337.359 by changing the saturation by 10% instead.


 48, 58.777,
337.359


 48, 58.777,
337.359


 100, 58.777,
337.359


 38, 58.777,
337.359

 68, 58.777,
337.359


 28, 58.777,
337.359

 78, 58.777,
337.359

 18, 58.777,
337.359

 88, 58.777,
337.359

 8, 58.777, 337.359

 98, 58.777,
337.359

 0, 58.777, 337.359

 48, 58.777,

 48, 58.777,

337.359

45, 65.479,
338.340

43, 70.238,
339.455

42, 72.794,
340.760

41, 73.576,
342.114

337.359

51, 50.559,
336.473

55, 41.305,
335.654

60, 31.432,
334.885

64, 21.269,
334.156

69, 11.054,
333.455

74, 0.945, 332.508

79, 8.960, 152.247

84, 18.607,
151.644

■ 89, 27.970,
151.085

Harmonies

Complementary

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



48, 58.777, 337.359



66, 59.220, 146.707

Rectangle

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



48, 58.777, 337.359



48, 58.777, 27.359



48, 58.777, 157.359



48, 58.777, 207.359

Sweetspot

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



48, 58.774, 337.359



83, 22.637, 333.969



39, 67.429, 305.279



43, 15.874, 334.175



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



48, 58.774, 337.359



58, 81.985, 338.690



46, 47.961, 8.950



36, 5.757, 333.344



35, 65.621, 341.898



3, 14.542, 337.187

Inverse Universe

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



48, 58.774, 337.359



58, 81.985, 338.690



67, 38.569, 172.863



36, 5.757, 333.344



35, 65.621, 341.898



3, 14.542, 337.187

Previews

White Background



This preview shows how the CIELCh color 48, 58.777, 337.359 looks on a white background.

Color Contrast Check

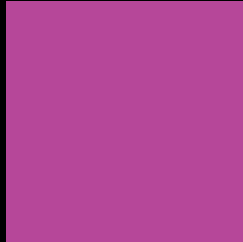
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.777, 337.359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

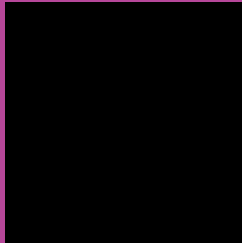
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 58.777, 337.359

Background



This preview shows how black text looks on a background with the CIELCh color 48, 58.777, 337.359.



This preview shows how white text looks on a background with the CIELCh color 48, 58.777, 337.359.

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, 39.198, 20.225

Trichromacy



Original Color
48, 58.777, 337.359

Protanomaly
47, 46.350, 305.378

Deuteranomaly
47, 33.892, 318.760

Tritanomaly
48, 43.038, 359.799

Monochromacy



Original Color
48, 58.777, 337.359

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 23.930, 335.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 58.777, 337.359 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(182, 71, 153)` looks like.

```
.text, #text, p{  
    color:rgb(182, 71, 153)  
}
```

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(182, 71, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 71, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 58.777, 337.359 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(182, 71, 153) }
```

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

```
.border{ border-color:rgb(182, 71, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 71, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 71, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 71, 153);  
box-shadow:4px 4px 4px 4px rgb(182, 71,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 58.777, 337.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 71, 153) }
```

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

```
.background{ background-color: rgb(182, 71,  
153) }
```

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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