

Converting Colors

CIELCh(48, 56.774, 337.681)

Have a look what the booklet for
CIELCh(48, 56.774, 337.681)
contains.

CIELCh(48, 56.729, 337.668)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 56.729, 337.668)

Conversions

Conversions Part 1

Format	Color
Hex	B44997
RGB	180, 73, 151
RGB Percent	71%, 29%, 59%
CMY	0.2928, 0.7125, 0.4066
CMYK	0.00, 0.59, 0.16, 0.29
HSL	316°, 42%, 50%
HSV	316°, 59%, 71%
XYZ	26.9144, 16.7945, 31.2326
YIQ	113.8850, 38.7340, 46.9420

Conversions

Conversions Part 2

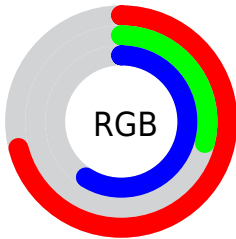
Format	Color
R_{YB}	180, 73, 151
Decimal	11815319
CIE _{Lab}	48.00, 52.47, -21.56
CIE _{LCh}	48, 56.729, 337.668
Yxy	16.7945, 0.3591, 0.2241
Android (android.graphics.Color)	4290005399 (0xFFB44997)
YUV	113.8850, 18.2977, 57.9829
Hunter-Lab	40.9810, 45.5136, -16.4995

Details

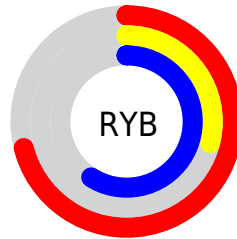
The CIELCh color $48, 56.729, 337.668$ is a dark color, and the websafe version is hex $CC3399$. A complement of this color would be $66, 56.964, 147.293$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 56.575, 337.782$, and $28, 56.813, 337.551$ is the 20% darker color. If you saturate the color by 10%, you get $45, 63.614, 338.664$, and if you desaturate by 10%, it is $51, 48.427, 336.770$.

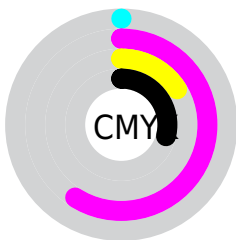
Distribution



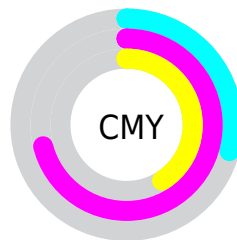
- Red (71%)
- Green (29%)
- Blue (59%)



- Red (71%)
- Yellow (29%)
- Blue (59%)



- Cyan (0%)
- Magenta (59%)
- Yellow (16%)
- Black (29%)



- Cyan (29%)
- Magenta (71%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 56.729, 337.668 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, 56.729, 337.668 by changing the saturation by 10% instead.

 48, 56.729,
337.668

 48, 56.729,
337.668

 100, 56.729,
337.668

 38, 56.729,
337.668

 68, 56.729,
337.668

 28, 56.729,
337.668

 78, 56.729,
337.668

 18, 56.729,
337.668

 88, 56.729,
337.668

 8, 56.729, 337.668

 98, 56.729,
337.668

 0, 56.729, 337.668

 48, 56.729,

 48, 56.729,

337.668

■ 45, 63.614,
338.664

■ 43, 68.643,
339.798

■ 41, 71.519,
341.127

■ 40, 72.498,
342.679

■ 40, 72.549,
342.784

337.668

■ 51, 48.427,
336.770

■ 55, 39.177,
335.943

■ 60, 29.379,
335.167

■ 64, 19.343,
334.434

■ 69, 9.288, 333.728

■ 74, 0.641, 153.585

■ 79, 10.357,
152.521

■ 84, 19.811,
151.923

■ 89, 28.982,
151.367

Harmonies

Complementary

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



48, 56.729, 337.668



66, 56.964, 147.293

Rectangle

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



48, 56.729, 337.668



48, 56.729, 27.668



48, 56.729, 157.668



48, 56.729, 207.668

Sweetspot

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



48, 56.726, 337.668



82, 22.284, 334.360



39, 65.030, 305.534



42, 15.488, 334.566



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



48, 56.726, 337.668



57, 79.471, 338.972



46, 46.368, 9.796



35, 5.584, 333.727



34, 64.415, 342.543



2, 12.503, 337.248

Inverse Universe

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



48, 56.726, 337.668



57, 79.471, 338.972



67, 36.962, 174.424



35, 5.584, 333.727



34, 64.415, 342.543



2, 12.503, 337.248

Previews

White Background



This preview shows how the CIELCh color 48, 56.729, 337.668 looks on a white background.

Color Contrast Check

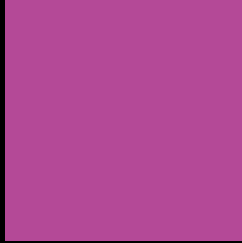
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.729, 337.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

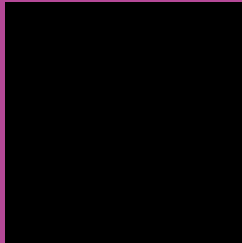
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 56.729, 337.668

Background



This preview shows how black text looks on a background with the CIELCh color 48, 56.729, 337.668.



This preview shows how white text looks on a background with the CIELCh color 48, 56.729, 337.668.

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

48, 56.729, 337.668

Protanopia

48, 41.397, 285.865

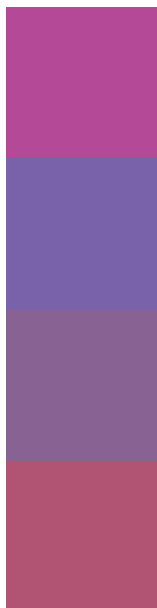
Deuteranopia

48, 19.462, 290.624



Tritanopia
48, 38.273, 19.921

Trichromacy



Original Color
48, 56.729, 337.668

Protanomaly
47, 44.036, 305.772

Deuteranomaly
47, 32.181, 319.488

Tritanomaly
48, 41.689, 0.239

Monochromacy



Original Color
48, 56.729, 337.668

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 22.984, 334.440

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 56.729, 337.668 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(180, 73, 151)` looks like.

```
.text, #text, p{  
    color:rgb(180, 73, 151)  
}
```

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(180, 73, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 73, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 56.729, 337.668 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(180, 73, 151) }
```

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

```
.border{ border-color:rgb(180, 73, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 73, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 73, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 73, 151);  
box-shadow:4px 4px 4px 4px rgb(180, 73,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 56.729, 337.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 73, 151) }
```

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

```
.background{ background-color: rgb(180, 73,  
151) }
```

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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