

Converting Colors

CIELCh(56, 56.084, 326.792)

Have a look what the booklet for
CIELCh(56, 56.084, 326.792)
contains.

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Color

CIELCh(56, 56.070, 326.831)

Conversions

Conversions Part 1

Format	Color
Hex	BC66BC
RGB	188, 102, 188
RGB Percent	74%, 40%, 74%
CMY	0.2618, 0.5991, 0.2618
CMYK	0.00, 0.46, 0.00, 0.26
HSL	300°, 39%, 57%
HSV	300°, 46%, 74%
XYZ	34.6777, 23.9124, 50.5015
YIQ	137.5180, 23.6500, 44.9780

Conversions

Conversions Part 2

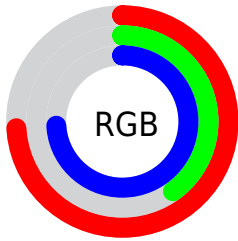
Format	Color
RYB	188, 102, 188
Decimal	12347068
CIELab	56.00, 46.93, -30.68
CIELCh	56, 56.070, 326.831
Yxy	23.9124, 0.3179, 0.2192
Android (android.graphics.Color)	4290537148 (0xFFBC66BC)
YUV	137.5180, 24.8876, 44.2727
Hunter-Lab	48.9003, 41.0078, -27.0011

Details

The CIELCh color **56, 56.070, 326.831** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **69, 56.270, 140.858**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 55.623, 327.047**, and **36, 55.888, 327.092** is the 20% darker color. If you saturate the color by 10%, you get **53, 66.764, 327.263**, and if you desaturate by 10%, it is **60, 44.375, 326.347**.

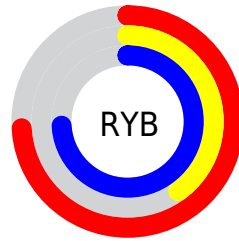
Distribution



Red (74%)

Green (40%)

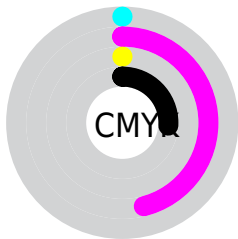
Blue (74%)



Red (74%)

Yellow (40%)

Blue (74%)

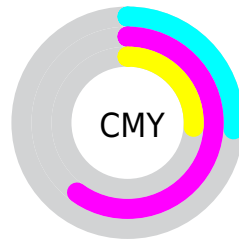


Cyan (0%)

Magenta (46%)

Yellow (0%)

Black (26%)



Cyan (26%)


Magenta (60%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 56.070, 326.831 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 56, 56.070, 326.831 by changing the saturation by 10% instead.


 56, 56.070,
326.831


 56, 56.070,
326.831


 100, 56.070,
326.831


 46, 56.070,
326.831


 76, 56.070,
326.831

 36, 56.070,
326.831

 86, 56.070,
326.831

 26, 56.070,
326.831

 96, 56.070,
326.831

 16, 56.070,
326.831

 6, 56.070, 326.831

 0, 56.070, 326.831

56, 56.070,
326.831

56, 56.070,
326.831

53, 66.764,
327.263

60, 44.375,
326.347

50, 75.992,
327.627

64, 32.105,
325.826

47, 83.299,
327.909

69, 19.589,
325.284

46, 88.367,
328.101

74, 7.070, 324.718

78, 5.288, 144.261

45, 91.156,
328.205

83, 17.379,
143.703

45, 91.986,
328.236

89, 29.142,
143.191

94, 40.548,
142.706

 94, 41.835,
142.652

Harmonies

Complementary

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



56, 56.070, 326.831



69, 56.270, 140.858

Rectangle

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



56, 56.070, 326.831



56, 56.070, 16.831



56, 56.070, 146.831



56, 56.070, 196.831

Sweetspot

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



56, 56.068, 326.831



88, 21.622, 325.203



47, 50.800, 296.551



46, 14.933, 325.322



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



56, 56.068, 326.831



67, 81.568, 327.271



54, 40.600, 348.346



37, 7.068, 324.931



37, 80.843, 328.236



3, 21.488, 325.463

Inverse Universe

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



56, 56.068, 326.831



67, 81.568, 327.271



70, 38.562, 159.013



37, 7.068, 324.931



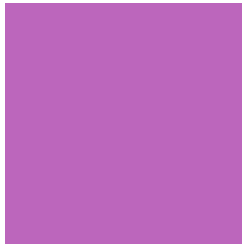
37, 80.843, 328.236



3, 21.488, 325.463

Previews

White Background



This preview shows how the CIELCh color 56, 56.070, 326.831 looks on a white background.

Color Contrast Check

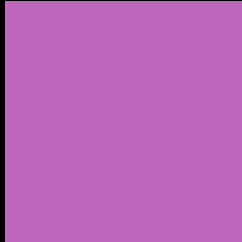
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 56, 56.070, 326.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

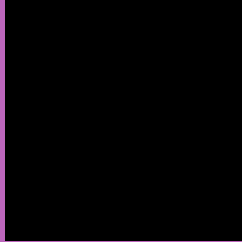
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 56.070, 326.831

Background



This preview shows how black text looks on a background with the CIELCh color 56, 56.070, 326.831.

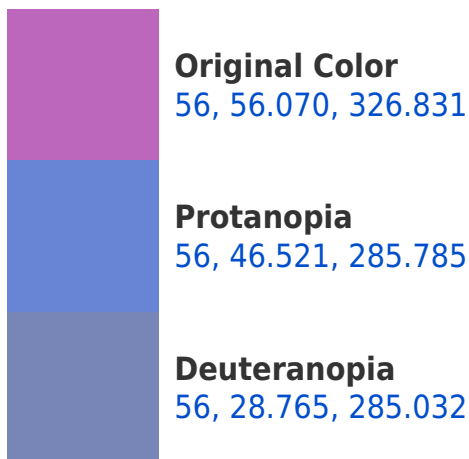


This preview shows how white text looks on a background with the CIELCh color 56, 56.070, 326.831.

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
56, 26.508, 12.853

Trichromacy



Original Color
56, 56.070, 326.831



Protanomaly
55, 47.932, 300.664



Deuteranomaly
56, 37.130, 306.295



Tritanomaly
56, 33.978, 347.022

Monochromacy



Original Color
56, 56.070, 326.831



Achromatopsia
57, 0.007, 296.813



Achromatomaly
56, 21.307, 325.495

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 56.070, 326.831 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(188, 102, 188)` looks like.

```
.text, #text, p{  
    color:rgb(188, 102, 188)  
}
```

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(188, 102, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 102, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 56.070, 326.831 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(188, 102, 188) }
```

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

```
.border{ border-color:rgb(188, 102, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 102, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 102, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 102, 188);  
box-shadow:4px 4px 4px 4px rgb(188, 102,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 56.070, 326.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 102, 188) }
```

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

```
.background{ background-color: rgb(188,  
102, 188) }
```

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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