

Converting Colors

CIELCh(47, 80.184, 325.080)

Have a look what the booklet for
CIELCh(47, 80.184, 325.080)
contains.

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Color

CIELCh(47, 80.357, 325.146)

Conversions

Conversions Part 1

Format	Color
Hex	B337BE
RGB	179, 55, 190
RGB Percent	70%, 22%, 75%
CMY	0.2982, 0.7845, 0.2551
CMYK	0.06, 0.71, 0.00, 0.26
HSL	295°, 55%, 48%
HSV	295°, 71%, 74%
XYZ	29.2297, 16.0195, 50.2370
YIQ	107.4660, 30.5690, 68.2730

Conversions

Conversions Part 2

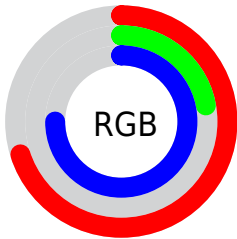
Format	Color
R_{YB}	179, 55, 190
Decimal	11745214
CIE _{Lab}	47.00, 65.94, -45.92
CIE _{LCh}	47, 80.357, 325.146
Yxy	16.0195, 0.3061, 0.1678
Android (android.graphics.Color)	4289935294 (0xFFB337BE)
YUV	107.4660, 40.6893, 62.7353
Hunter-Lab	40.0243, 60.3159, -46.4016

Details

The CIELCh color $47, 80.357, 325.146$ is a dark color, and the websafe version is hex `CC33CC`. A complement of this color would be $68, 80.922, 136.854$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 80.388, 325.182$, and $29, 72.922, 324.341$ is the 20% darker color. If you saturate the color by 10%, you get $45, 86.866, 325.242$, and if you desaturate by 10%, it is $50, 71.765, 324.923$.

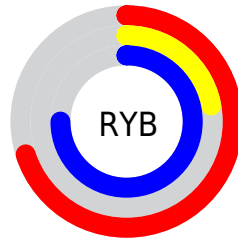
Distribution



Red (70%)

Green (22%)

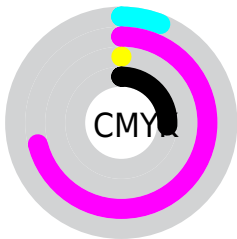
Blue (75%)



Red (70%)

Yellow (22%)

Blue (75%)

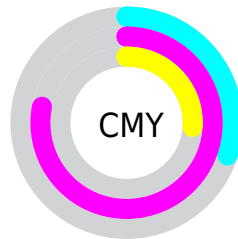


Cyan (6%)

Magenta (71%)

Yellow (0%)

Black (26%)



Cyan (30%)


Magenta (78%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 80.357, 325.146 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 47, 80.357, 325.146 by changing the saturation by 10% instead.


 47, 80.357,
325.146


 47, 80.357,
325.146


 100, 80.357,
325.146


 37, 80.357,
325.146

 67, 80.357,
325.146


 27, 80.357,
325.146

 77, 80.357,
325.146

 17, 80.357,
325.146

 87, 80.357,
325.146

 7, 80.357, 325.146


 97, 80.357,
325.146


 0, 80.357, 325.146


 47, 80.357,

 47, 80.357,


325.146


 45, 86.866,
325.242


 43, 91.017,
325.195


 42, 93.079,
325.053


325.146


 50, 71.765,
324.923

 53, 61.556,
324.598


 57, 50.230,
324.197

 62, 38.234,
323.744

 67, 25.923,
323.260

 71, 13.556,
322.759

 76, 1.310, 322.110

 82, 10.704,
141.827

■ 87, 22.420,
141.354

Harmonies

Complementary

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



47, 80.357, 325.146



68, 80.922, 136.854

Rectangle

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



47, 80.357, 325.146



47, 80.357, 15.146



47, 80.357, 145.146



47, 80.357, 195.146

Sweetspot

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



47, 80.355, 325.146



84, 32.015, 323.274



35, 75.848, 299.245



44, 21.858, 323.411



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



47, 80.355, 325.146



57, 108.977, 325.236



46, 61.781, 347.236



37, 6.893, 322.671



35, 81.250, 325.095



3, 20.605, 321.888

Inverse Universe

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



44, 59.771, 25.109



53, 87.626, 31.285



69, 61.278, 151.120



37, 4.113, 13.331



32, 69.692, 36.230



3, 12.306, 14.718

Previews

White Background



This preview shows how the CIELCh color 47, 80.357, 325.146 looks on a white background.

Color Contrast Check

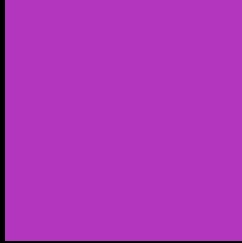
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 80.357, 325.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

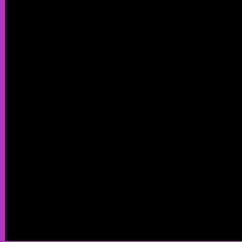
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 80.357, 325.146

Background



This preview shows how black text looks on a background with the CIELCh color 47, 80.357, 325.146.



This preview shows how white text looks on a background with the CIELCh color 47, 80.357, 325.146.

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

47, 80.357, 325.146

Protanopia

48, 71.985, 287.569

Deuteranopia

47, 41.518, 280.132



Tritanopia
47, 34.809, 18.866

Trichromacy



Original Color
47, 80.357, 325.146



Protanomaly
43, 74.955, 295.957



Deuteranomaly
45, 55.702, 302.875



Tritanomaly
46, 46.371, 346.232

Monochromacy



Original Color
47, 80.357, 325.146



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 33.658, 323.915

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 80.357, 325.146 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(179, 55, 190)` looks like.

```
.text, #text, p{  
    color:rgb(179, 55, 190)  
}
```

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(179, 55, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 55, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 80.357, 325.146 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(179, 55, 190) }
```

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

```
.border{ border-color:rgb(179, 55, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 55, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 55, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 55, 190);  
box-shadow:4px 4px 4px 4px rgb(179, 55,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 80.357, 325.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 55, 190) }
```

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

```
.background{ background-color: rgb(179, 55,  
190) }
```

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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