

Converting Colors

CIELCh(47, 79.228, 327.574)

Have a look what the booklet for
CIELCh(47, 79.228, 327.574)
contains.

CIELCh(47, 79.189, 327.555)	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(47, 79.189, 327.555)

Conversions

Conversions Part 1

Format	Color
Hex	B734B8
RGB	183, 52, 184
RGB Percent	72%, 20%, 72%
CMY	0.2818, 0.7955, 0.2779
CMYK	0.01, 0.72, 0.00, 0.28
HSL	300°, 56%, 46%
HSV	300°, 72%, 72%
XYZ	29.4606, 16.0195, 46.9575
YIQ	106.2170, 35.7040, 68.8240

Conversions

Conversions Part 2

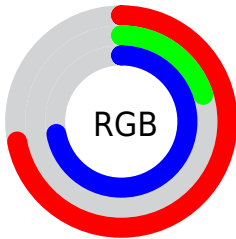
Format	Color
RYB	183, 52, 184
Decimal	12006584
CIELab	47.00, 66.83, -42.48
CIELCh	47, 79.189, 327.555
Yxy	16.0195, 0.3187, 0.1733
Android (android.graphics.Color)	4290196664 (0xFFB734B8)
YUV	106.2170, 38.3470, 67.3387
Hunter-Lab	40.0243, 61.3456, -41.5434

Details

The CIELCh color $47, 79.189, 327.555$ is a dark color, and the websafe version is hex `CC33CC`. A complement of this color would be $66, 80.607, 137.894$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 79.349, 327.457$, and $30, 70.203, 327.056$ is the 20% darker color. If you saturate the color by 10%, you get $45, 85.127, 327.770$, and if you desaturate by 10%, it is $50, 71.159, 327.249$.

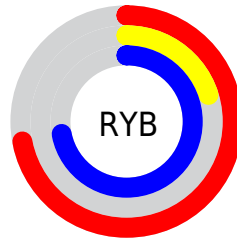
Distribution



Red (72%)

Green (20%)

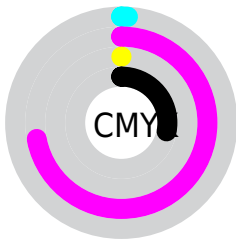
Blue (72%)



Red (72%)

Yellow (20%)

Blue (72%)

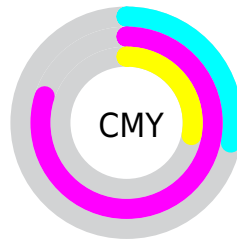


Cyan (1%)

Magenta (72%)

Yellow (0%)

Black (28%)



Cyan (28%)


Magenta (80%)


Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 79.189, 327.555 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, 79.189, 327.555 by changing the saturation by 10% instead.


 47, 79.189,
327.555


 47, 79.189,
327.555


 100, 79.189,
327.555


 37, 79.189,
327.555

 67, 79.189,
327.555


 27, 79.189,
327.555

 77, 79.189,
327.555

 17, 79.189,
327.555

 87, 79.189,
327.555

 7, 79.189, 327.555

 97, 79.189,
327.555

 0, 79.189, 327.555

 47, 79.189,

 47, 79.189,

327.555

■ 45, 85.127,
327.770

■ 44, 88.800,
327.890

■ 44, 90.518,
327.935

327.555

■ 50, 71.159,
327.249

■ 53, 61.431,
326.864

■ 56, 50.467,
326.415

■ 60, 38.716,
325.921

■ 65, 26.550,
325.396

■ 69, 14.256,
324.853

■ 74, 2.036, 324.215

■ 79, 9.977, 143.829

■ 84, 21.700,
143.304

Harmonies

Complementary

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



47, 79.189, 327.555



66, 80.607, 137.894

Rectangle

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



47, 79.189, 327.555



47, 79.189, 17.555



47, 79.189, 147.555



47, 79.189, 197.555

Sweetspot

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



47, 79.187, 327.555



82, 33.392, 325.433



32, 80.165, 301.564



42, 22.421, 325.576



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



47, 79.187, 327.555



58, 106.658, 327.850



44, 58.695, 351.775



36, 6.894, 324.723



37, 79.913, 327.939



3, 18.750, 324.425

Inverse Universe

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



43, 60.974, 30.328



52, 90.277, 35.945



67, 56.648, 154.160



36, 4.003, 19.306



32, 71.582, 39.299



2, 10.639, 18.947

Previews

White Background



This preview shows how the CIELCh color 47, 79.189, 327.555 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, 79.189, 327.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

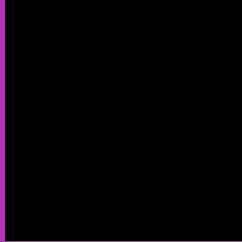
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 79.189, 327.555

Background



This preview shows how black text looks on a background with the CIELCh color 47, 79.189, 327.555.

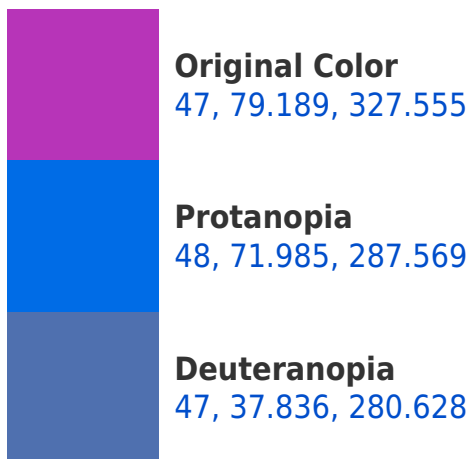


This preview shows how white text looks on a background with the CIELCh color 47, 79.189, 327.555.

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
47, 38.461, 20.094

Trichromacy



Original Color
47, 79.189, 327.555



Protanomaly
43, 74.444, 296.317



Deuteranomaly
45, 53.095, 305.695



Tritanomaly
46, 48.272, 349.974

Monochromacy



Original Color
47, 79.189, 327.555



Achromatopsia
45, 0.006, 296.813



Achromatomaly
43, 33.770, 326.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 79.189, 327.555 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, 52, 184)` looks like.

```
.text, #text, p{  
    color:rgb(183, 52, 184)  
}
```

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, 52, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 52, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 79.189, 327.555 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, 52, 184) }
```

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

```
.border{ border-color:rgb(183, 52, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 52, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 52, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 52, 184);  
box-shadow:4px 4px 4px 4px rgb(183, 52,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 79.189, 327.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 52, 184) }
```

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

```
.background{ background-color: rgb(183, 52,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor