

Converting Colors

CIELCh(35, 45.985, 323.050)

Have a look what the booklet for
CIELCh(35, 45.985, 323.050)
contains.

CIELCh(35, 46.021, 323.062)	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(35, 46.021, 323.062)

Conversions

Conversions Part 1

Format	Color
Hex	763B7F
RGB	118, 59, 127
RGB Percent	46%, 23%, 50%
CMY	0.5375, 0.7689, 0.5022
CMYK	0.07, 0.54, 0.00, 0.50
HSL	292°, 37%, 36%
HSV	292°, 54%, 50%
XYZ	12.8486, 8.4984, 21.0185
YIQ	84.3930, 13.3360, 33.6560

Conversions

Conversions Part 2

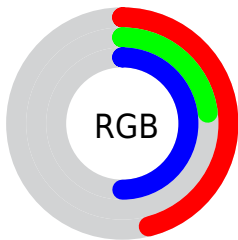
Format	Color
RYB	118, 59, 127
Decimal	7748479
CIELab	35.00, 36.78, -27.66
CIELCh	35, 46.021, 323.062
Yxy	8.4984, 0.3033, 0.2006
Android (android.graphics.Color)	4285938559 (0xFF763B7F)
YUV	84.3930, 21.0053, 29.4733
Hunter-Lab	29.1520, 27.6572, -22.3415

Details

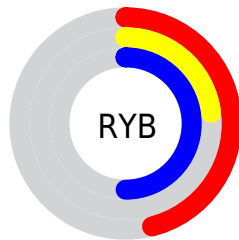
The CIELCh color $[35, 46.021, 323.062]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[48, 45.593, 137.424]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[55, 45.936, 323.183]$, and $[15, 45.747, 323.128]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 53.400, 323.341]$, and if you desaturate by 10%, it is $[38, 37.901, 322.703]$.

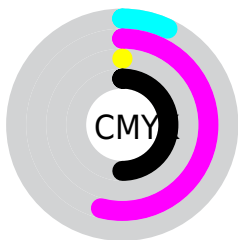
Distribution



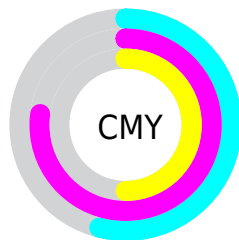
- Red (46%)
- Green (23%)
- Blue (50%)



- Red (46%)
- Yellow (23%)
- Blue (50%)



- Cyan (7%)
- Magenta (54%)
- Yellow (0%)
- Black (50%)





- Cyan (54%)
- Magenta (77%)
- Yellow (50%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 46.021, 323.062 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 35, 46.021, 323.062 by changing the saturation by 10% instead.


 35, 46.021,
323.062


 35, 46.021,
323.062

 100, 46.021,
323.062


 25, 46.021,
323.062

 55, 46.021,
323.062


 15, 46.021,
323.062


 65, 46.021,
323.062

 5, 46.021, 323.062

 75, 46.021,
323.062

 0, 46.021, 323.062

 85, 46.021,
323.062

 95, 46.021,
323.062

■ 35, 46.021,
323.062

■ 35, 46.021,
323.062

■ 32, 53.400,
323.341

■ 38, 37.901,
322.703

■ 30, 59.697,
323.510

■ 41, 29.344,
322.292

■ 28, 64.576,
323.540

■ 45, 20.584,
321.849

■ 27, 67.825,
323.408

■ 48, 11.791,
321.391

■ 26, 69.575,
323.297

■ 52, 3.080, 320.901

■ 56, 5.476, 140.543

■ 59, 13.832,
140.102

■ 63, 21.965,
139.696

■ 67, 29.866,
139.317

Harmonies

Complementary

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



35, 46.021, 323.062



48, 45.593, 137.424

Rectangle

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



35, 46.021, 323.062



35, 46.021, 13.062



35, 46.021, 143.062



35, 46.021, 193.062

Sweetspot

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



35, 46.020, 323.062



61, 17.325, 321.521



31, 37.451, 292.442



31, 11.799, 321.600



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



35, 46.020, 323.062



42, 66.488, 323.384



35, 36.915, 341.627



25, 4.900, 321.182



26, 69.799, 323.295



0, 0.000, 0.000

Inverse Universe

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



34, 31.508, 15.688



41, 47.255, 18.782



48, 36.254, 152.003



25, 2.992, 9.224



26, 57.119, 32.355



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 35, 46.021, 323.062 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 35, 46.021, 323.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

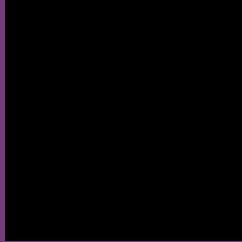
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 46.021, 323.062

Background



This preview shows how black text looks on a background with the CIELCh color 35, 46.021, 323.062.



This preview shows how white text looks on a background with the CIELCh color 35, 46.021, 323.062.

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

35, 46.021, 323.062

Protanopia

35, 41.243, 285.931

Deuteranopia

35, 25.885, 281.946



Tritanopia
35, 17.857, 12.547

Trichromacy



Original Color
35, 46.021, 323.062

Protanomaly
34, 41.868, 297.946

Deuteranomaly
34, 31.565, 301.403

Tritanomaly
35, 25.854, 342.228

Monochromacy



Original Color
35, 46.021, 323.062

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 17.823, 321.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 46.021, 323.062 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(118, 59, 127)` looks like.

```
.text, #text, p{  
    color:rgb(118, 59, 127)  
}
```

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(118, 59, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 59, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 46.021, 323.062 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(118, 59, 127) }
```

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

```
.border{ border-color:rgb(118, 59, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 59, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 59, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 59, 127); box-shadow:4px 4px 4px 4px rgb(118, 59, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 46.021, 323.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 59, 127) }
```

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

```
.background{ background-color: rgb(118, 59,  
127) }
```

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