

Converting Colors

CIELCh(35, 49.019, 323.242)

Have a look what the booklet for
CIELCh(35, 49.019, 323.242)
contains.

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Color

CIELCh(35, 48.918, 323.004)

Conversions

Conversions Part 1

Format	Color
Hex	783982
RGB	120, 57, 130
RGB Percent	47%, 22%, 51%
CMY	0.5301, 0.7771, 0.4909
CMYK	0.08, 0.56, 0.00, 0.49
HSL	292°, 39%, 37%
HSV	292°, 56%, 51%
XYZ	13.1950, 8.4984, 22.0048
YIQ	84.1590, 14.1150, 36.0590

Conversions

Conversions Part 2

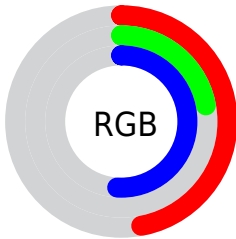
Format	Color
R_{YB}	120, 57, 130
Decimal	7879042
CIE _{Lab}	35.00, 39.07, -29.44
CIE _{LCh}	35, 48.918, 323.004
Yxy	8.4984, 0.3020, 0.1945
Android (android.graphics.Color)	4286069122 (0xFF783982)
YUV	84.1590, 22.5996, 31.4326
Hunter-Lab	29.1520, 29.7783, -24.3475

Details

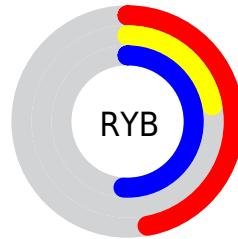
The CIELCh color $35, 48.918, 323.004$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $49, 48.451, 137.105$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $55, 48.879, 323.098$, and $15, 48.728, 323.123$ is the 20% darker color. If you saturate the color by 10%, you get $32, 56.174, 323.254$, and if you desaturate by 10%, it is $38, 40.816, 322.666$.

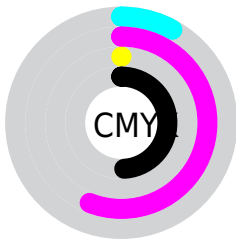
Distribution



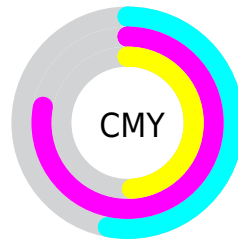
- Red (47%)
- Green (22%)
- Blue (51%)



- Red (47%)
- Yellow (22%)
- Blue (51%)



- Cyan (8%)
- Magenta (56%)
- Yellow (0%)
- Black (49%)




- Cyan (53%)
- Magenta (78%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 48.918, 323.004 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, 48.918, 323.004 by changing the saturation by 10% instead.


 35, 48.918,
323.004

 35, 48.918,
323.004

 100, 48.918,
323.004

 25, 48.918,
323.004

 55, 48.918,
323.004

 15, 48.918,
323.004

 65, 48.918,
323.004

 5, 48.918, 323.004

 75, 48.918,
323.004

 0, 48.918, 323.004

 85, 48.918,
323.004

 95, 48.918,
323.004

■ 35, 48.918,
323.004

■ 35, 48.918,
323.004

■ 32, 56.174,
323.254

■ 38, 40.816,
322.666

■ 30, 62.230,
323.383

■ 41, 32.197,
322.267

■ 29, 66.758,
323.362

■ 45, 23.316,
321.832

■ 27, 69.719,
323.188

■ 48, 14.363,
321.378

■ 27, 70.756,
323.119

■ 52, 5.469, 320.907

■ 56, 3.282, 140.544

■ 60, 11.838,
140.082

■ 63, 20.171,
139.670

■ 67, 28.269,
139.286

Harmonies

Complementary

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



35, 48.918, 323.004



49, 48.451, 137.105

Rectangle

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



35, 48.918, 323.004



35, 48.918, 13.004



35, 48.918, 143.004



35, 48.918, 193.004

Sweetspot

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



35, 48.917, 323.004



61, 18.625, 321.431



31, 39.417, 292.292



31, 12.410, 321.505



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, 48.917, 323.004



42, 69.735, 323.295



35, 39.623, 341.066



25, 4.894, 321.046



26, 69.835, 323.127



0, 0.000, 0.000

Inverse Universe

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



34, 33.771, 15.977



41, 50.035, 19.393



49, 39.106, 150.946



25, 2.996, 8.856



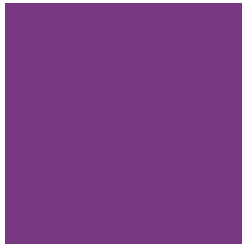
26, 56.948, 32.054



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 35, 48.918, 323.004 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 CIELCh color 35, 48.918, 323.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

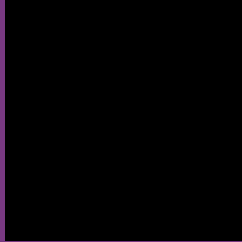
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 48.918, 323.004

Background



This preview shows how black text looks on a background with the CIELCh color 35, 48.918, 323.004.



This preview shows how white text looks on a background with the CIELCh color 35, 48.918, 323.004.

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, 48.918, 323.004

Protanopia
36, 44.328, 286.094

Deuteranopia
35, 26.591, 280.452



Tritanopia
35, 19.262, 13.561

Trichromacy



Original Color
35, 48.918, 323.004

Protanomaly
34, 44.971, 297.544

Deuteranomaly
34, 34.085, 301.766

Tritanomaly
35, 27.165, 341.522

Monochromacy



Original Color
35, 48.918, 323.004

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 19.284, 321.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 48.918, 323.004 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(120, 57, 130)` looks like.

```
.text, #text, p{  
    color:rgb(120, 57, 130)  
}
```

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(120, 57, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 57, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 48.918, 323.004 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(120, 57, 130) }
```

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

```
.border{ border-color:rgb(120, 57, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 57, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 57, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 57, 130);  
box-shadow:4px 4px 4px 4px rgb(120, 57,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 48.918, 323.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 57, 130) }
```

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

```
.background{ background-color: rgb(120, 57,  
130) }
```

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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