

Converting Colors

CIELCh(35, 22.109, 335.201)

Have a look what the booklet for
CIELCh(35, 22.109, 335.201)
contains.

CIELCh(35, 21.861, 335.646)	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, 21.861, 335.646)

Conversions

Conversions Part 1

Format	Color
Hex	6B4761
RGB	107, 71, 97
RGB Percent	42%, 28%, 38%
CMY	0.5803, 0.7215, 0.6195
CMYK	0.00, 0.34, 0.09, 0.58
HSL	317°, 20%, 35%
HSV	317°, 34%, 42%
XYZ	10.4777, 8.4984, 12.4011
YIQ	84.7280, 13.1100, 15.7180

Conversions

Conversions Part 2

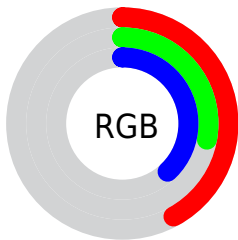
Format	Color
RYB	107, 71, 97
Decimal	7030625
CIELab	35.00, 19.92, -9.01
CIELCh	35, 21.861, 335.646
Yxy	8.4984, 0.3339, 0.2708
Android (android.graphics.Color)	4285220705 (0xFF6B4761)
YUV	84.7280, 6.0501, 19.5325
Hunter-Lab	29.1520, 13.1401, -4.8152

Details

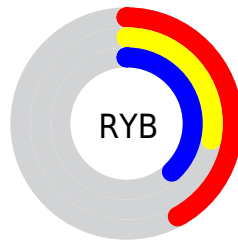
The CIELCh color $35, 21.861, 335.646$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $42, 21.661, 150.841$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $55, 22.000, 335.235$, and $15, 22.294, 335.468$ is the 20% darker color. If you saturate the color by 10%, you get $32, 28.159, 336.406$, and if you desaturate by 10%, it is $38, 15.368, 334.930$.

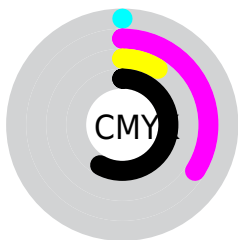
Distribution



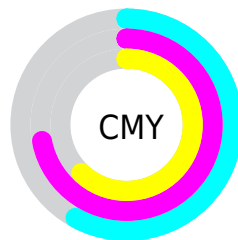
- Red (42%)
- Green (28%)
- Blue (38%)



- Red (42%)
- Yellow (28%)
- Blue (38%)



- Cyan (0%)
- Magenta (34%)
- Yellow (9%)
- Black (58%)





- Cyan (58%)
- Magenta (72%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 21.861, 335.646 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, 21.861, 335.646 by changing the saturation by 10% instead.


 35, 21.861,
335.646


 35, 21.861,
335.646

 100, 21.861,
335.646


 25, 21.861,
335.646

 55, 21.861,
335.646


 15, 21.861,
335.646


 65, 21.861,
335.646

 5, 21.861, 335.646

 75, 21.861,
335.646

 0, 21.861, 335.646

 85, 21.861,
335.646

 95, 21.861,
335.646

■ 35, 21.861,
335.646

■ 35, 21.861,
335.646

■ 32, 28.159,
336.406

■ 38, 15.368,
334.930

■ 30, 34.070,
337.219

■ 41, 8.828, 334.246

■ 44, 2.340, 333.541

■ 28, 39.344,
338.103

■ 47, 4.034, 153.077

■ 26, 43.706,
339.086

■ 51, 10.256,
152.471

■ 24, 46.895,
340.205


■ 54, 16.308,
151.919

■ 23, 48.812,
341.500

■ 57, 22.182,
151.401

■ 23, 49.890,
342.330

■ 60, 27.880,
150.913

 64, 33.406,
150.452

Harmonies

Complementary

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



35, 21.861, 335.646



42, 21.661, 150.841

Rectangle

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



35, 21.861, 335.646



35, 21.861, 25.646



35, 21.861, 155.646



35, 21.861, 205.646

Sweetspot

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



35, 21.859, 335.647



54, 8.064, 334.020



32, 23.144, 302.872



28, 5.548, 334.091



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



35, 21.859, 335.647



43, 32.305, 336.211



34, 16.799, 4.356



21, 3.628, 333.930



25, 53.155, 342.518



55, 90.510, 343.627

Inverse Universe

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



35, 21.859, 335.647



43, 32.305, 336.211



42, 14.912, 177.689



21, 3.628, 333.930



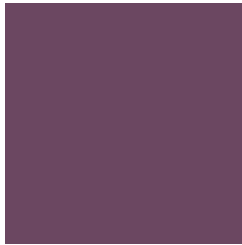
25, 53.155, 342.518



55, 90.510, 343.627

Previews

White Background



This preview shows how the CIE LCh color 35, 21.861, 335.646 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, 21.861, 335.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

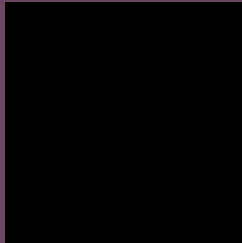
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 21.861, 335.646

Background



This preview shows how black text looks on a background with the CIELCh color 35, 21.861, 335.646.



This preview shows how white text looks on a background with the CIELCh color 35, 21.861, 335.646.

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, 21.861, 335.646

Protanopia

35, 13.799, 284.537

Deuteranopia

35, 8.918, 302.120



Tritanopia
35, 14.269, 6.761

Trichromacy



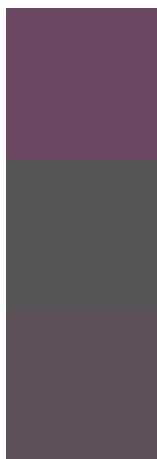
Original Color
35, 21.861, 335.646

Protanomaly
35, 14.989, 307.849

Deuteranomaly
35, 13.618, 320.891

Tritanomaly
35, 16.368, 352.818

Monochromacy



Original Color
35, 21.861, 335.646

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 7.890, 335.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 21.861, 335.646 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(107, 71, 97)` looks like.

```
.text, #text, p{  
    color:rgb(107, 71, 97)  
}
```

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(107, 71, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 71, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 21.861, 335.646 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(107, 71, 97) }
```

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

```
.border{ border-color:rgb(107, 71, 97) }
```

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

Here you see how a box with a 4 pixel rgb(107, 71, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 71, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 71, 97);  
box-shadow:4px 4px 4px 4px rgb(107, 71,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 21.861, 335.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 71, 97) }
```

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

```
.background{ background-color: rgb(107, 71,  
97) }
```

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