

Converting Colors

CIELCh(35, 36.363, 333.634)

Have a look what the booklet for
CIELCh(35, 36.363, 333.634)
contains.

CIELCh(35, 36.740, 333.112)	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, 36.740, 333.112)

Conversions

Conversions Part 1

Format	Color
Hex	783D6D
RGB	120, 61, 109
RGB Percent	47%, 24%, 43%
CMY	0.5281, 0.7596, 0.5713
CMYK	0.00, 0.49, 0.09, 0.53
HSL	311°, 32%, 36%
HSV	311°, 49%, 47%
XYZ	12.2548, 8.4984, 15.5525
YIQ	84.1130, 19.7560, 27.4360

Conversions

Conversions Part 2

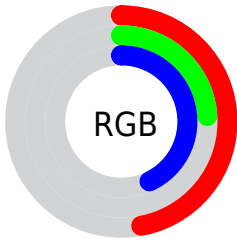
Format	Color
R_{YB}	120, 61, 109
Decimal	7880045
CIE _{Lab}	35.00, 32.77, -16.62
CIE _{LCh}	35, 36.740, 333.112
Y _{xy}	8.4984, 0.3375, 0.2341
Android (android.graphics.Color)	4286070125 (0xFF783D6D)
YUV	84.1130, 12.2693, 31.4729
Hunter-Lab	29.1520, 24.0211, -11.2246

Details

The CIELCh color **35, 36.740, 333.112** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **46, 36.776, 146.005**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 36.701, 333.088**, and **15, 36.578, 333.031** is the 20% darker color. If you saturate the color by 10%, you get **32, 43.204, 333.788**, and if you desaturate by 10%, it is **38, 29.636, 332.455**.

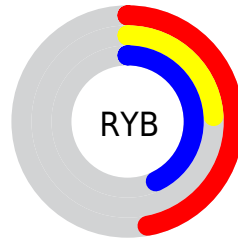
Distribution



Red (47%)

Green (24%)

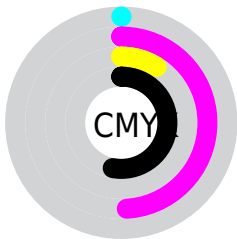
Blue (43%)



Red (47%)

Yellow (24%)

Blue (43%)

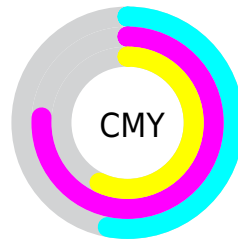


Cyan (0%)

Magenta (49%)

Yellow (9%)

Black (53%)



Cyan (53%)


Magenta (76%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 36.740, 333.112 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, 36.740, 333.112 by changing the saturation by 10% instead.


 35, 36.740,
333.112


 35, 36.740,
333.112

 100, 36.740,
333.112


 25, 36.740,
333.112

 55, 36.740,
333.112


 15, 36.740,
333.112


 65, 36.740,
333.112

 5, 36.740, 333.112

 75, 36.740,
333.112

 0, 36.740, 333.112

 85, 36.740,
333.112

 95, 36.740,
333.112

■ 35, 36.740,
333.112

■ 35, 36.740,
333.112

■ 32, 43.204,
333.788

■ 38, 29.636,
332.455

■ 30, 48.725,
334.487

■ 41, 22.161,
331.813

■ 29, 52.997,
335.225

■ 44, 14.520,
331.185

■ 27, 55.790,
336.024

■ 47, 6.863, 330.565

■ 27, 57.487,
336.874

■ 51, 0.708, 150.310

■ 26, 57.651,
336.953

■ 54, 8.132, 149.479

■ 58, 15.370,
148.932

■ 62, 22.404,
148.419

■ 65, 29.231,
147.933

Harmonies

Complementary

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



35, 36.740, 333.112



46, 36.776, 146.005

Rectangle

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



35, 36.740, 333.112



35, 36.740, 23.112



35, 36.740, 153.112



35, 36.740, 203.112

Sweetspot

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



35, 36.738, 333.112



58, 14.086, 330.956



30, 37.989, 301.879



29, 9.693, 331.062



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



35, 36.738, 333.112



42, 53.040, 333.882



34, 27.968, 0.838



24, 4.332, 330.567



28, 59.199, 336.994



57, 98.929, 337.567

Inverse Universe

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



35, 36.738, 333.112



42, 53.040, 333.882



46, 24.526, 169.801



24, 4.332, 330.567



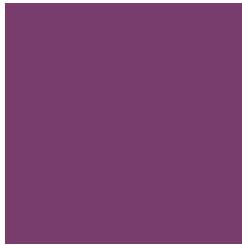
28, 59.199, 336.994



57, 98.929, 337.567

Previews

White Background



This preview shows how the CIELCh color 35, 36.740, 333.112 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, 36.740, 333.112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

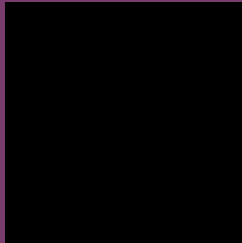
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 36.740, 333.112

Background



This preview shows how black text looks on a background with the CIELCh color 35, 36.740, 333.112.



This preview shows how white text looks on a background with the CIELCh color 35, 36.740, 333.112.

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, 36.740, 333.112

Protanopia

35, 27.561, 285.747

Deuteranopia

35, 15.605, 289.970



Tritanopia
35, 21.636, 15.072

Trichromacy



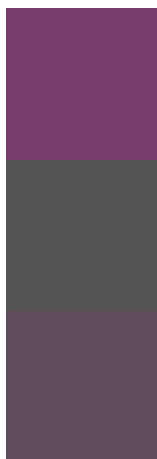
Original Color
35, 36.740, 333.112

Protanomaly
35, 28.651, 303.987

Deuteranomaly
35, 22.135, 313.961

Tritanomaly
35, 25.543, 353.946

Monochromacy



Original Color
35, 36.740, 333.112

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 13.790, 331.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 36.740, 333.112 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, 61, 109)` looks like.

```
.text, #text, p{  
    color:rgb(120, 61, 109)  
}
```

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, 61, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 61, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 36.740, 333.112 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, 61, 109) }
```

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

```
.border{ border-color:rgb(120, 61, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 61, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 61, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 61, 109);  
box-shadow:4px 4px 4px 4px rgb(120, 61,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 36.740, 333.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 61, 109) }
```

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

```
.background{ background-color: rgb(120, 61,  
109) }
```

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