

Converting Colors

CIELCh(34, 36.723, 333.007)

Have a look what the booklet for
CIELCh(34, 36.723, 333.007)
contains.

CIELCh(34, 36.800, 333.162)	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(34, 36.800, 333.162)

Conversions

Conversions Part 1

Format	Color
Hex	763B6B
RGB	118, 59, 107
RGB Percent	46%, 23%, 42%
CMY	0.5379, 0.7693, 0.5811
CMYK	0.00, 0.50, 0.09, 0.54
HSL	311°, 33%, 35%
HSV	311°, 50%, 46%
XYZ	11.6477, 8.0082, 14.7950
YIQ	82.1130, 19.7560, 27.4360

Conversions

Conversions Part 2

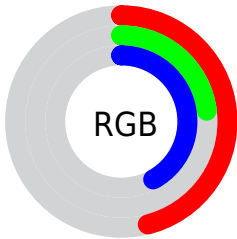
Format	Color
R_{YB}	118, 59, 107
Decimal	7748459
CIE _{Lab}	34.00, 32.84, -16.61
CIE _{LCh}	34, 36.800, 333.162
Yxy	8.0082, 0.3381, 0.2325
Android (android.graphics.Color)	4285938539 (0xFF763B6B)
YUV	82.1130, 12.2693, 31.4729
Hunter-Lab	28.2988, 23.9469, -11.1885

Details

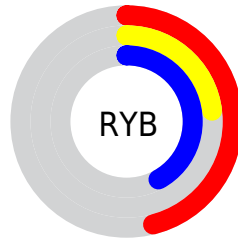
The CIELCh color **34, 36.800, 333.162** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **45, 36.856, 145.893**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 36.372, 333.728**, and **14, 36.456, 333.807** is the 20% darker color. If you saturate the color by 10%, you get **32, 43.084, 333.837**, and if you desaturate by 10%, it is **37, 29.862, 332.505**.

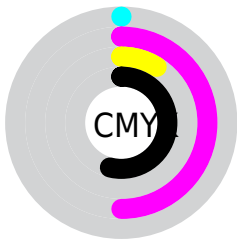
Distribution



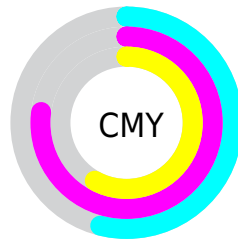
- Red (46%)
- Green (23%)
- Blue (42%)



- Red (46%)
- Yellow (23%)
- Blue (42%)



- Cyan (0%)
- Magenta (50%)
- Yellow (9%)
- Black (54%)





- Cyan (54%)
- Magenta (77%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 36.800, 333.162 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 34, 36.800, 333.162 by changing the saturation by 10% instead.


 34, 36.800,
333.162


 34, 36.800,
333.162

 100, 36.800,
333.162


 24, 36.800,
333.162

 54, 36.800,
333.162


 14, 36.800,
333.162


 64, 36.800,
333.162

 4, 36.800, 333.162

 74, 36.800,
333.162

 0, 36.800, 333.162

 84, 36.800,
333.162

 94, 36.800,
333.162

■ 34, 36.800,
333.162

■ 34, 36.800,
333.162

■ 32, 43.084,
333.837

■ 37, 29.862,
332.505

■ 29, 48.416,
334.538

■ 40, 22.539,
331.863

■ 28, 52.500,
335.277

■ 43, 15.036,
331.236

■ 27, 55.120,
336.079

■ 46, 7.506, 330.618

■ 26, 56.815,
336.915

■ 50, 0.051, 326.023

■ 53, 7.263, 149.530

■ 56, 14.398,
148.980

■ 60, 21.335,
148.464

■ 64, 28.068,
147.976

Harmonies

Complementary

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



34, 36.800, 333.162



45, 36.856, 145.893

Rectangle

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



34, 36.800, 333.162



34, 36.800, 23.162



34, 36.800, 153.162



34, 36.800, 203.162

Sweetspot

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



34, 36.798, 333.162



57, 13.900, 330.946



29, 38.163, 301.988



28, 9.434, 331.048



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



34, 36.798, 333.162



41, 53.066, 333.937



33, 28.053, 1.003



23, 4.181, 330.553



27, 58.356, 336.957



57, 98.198, 337.545

Inverse Universe

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



34, 36.798, 333.162



41, 53.066, 333.937



45, 24.545, 169.686



23, 4.181, 330.553



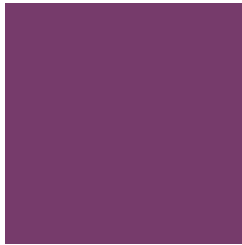
27, 58.356, 336.957



57, 98.198, 337.545

Previews

White Background



This preview shows how the CIELCh color 34, 36.800, 333.162 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 34, 36.800, 333.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

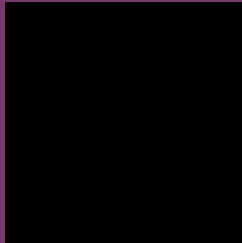
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 36.800, 333.162

Background



This preview shows how black text looks on a background with the CIELCh color 34, 36.800, 333.162.



This preview shows how white text looks on a background with the CIELCh color 34, 36.800, 333.162.

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

34, 36.800, 333.162

Protanopia

34, 27.705, 285.273

Deuteranopia

34, 15.063, 288.376



Tritanopia
34, 21.735, 15.175

Trichromacy



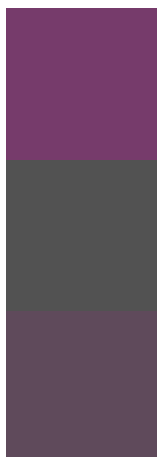
Original Color
34, 36.800, 333.162

Protanomaly
34, 28.717, 303.319

Deuteranomaly
34, 21.520, 313.553

Tritanomaly
34, 25.256, 353.446

Monochromacy



Original Color
34, 36.800, 333.162

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 13.841, 331.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 36.800, 333.162 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(118, 59, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 59, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 36.800, 333.162 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, 107) }
```

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

```
.border{ border-color:rgb(118, 59, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 59, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 59, 107); box-shadow:4px 4px 4px 4px rgb(118, 59, 107) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 36.800, 333.162 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, 107) }
```

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

```
.background{ background-color: rgb(118, 59,  
107) }
```

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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