

Converting Colors

CIELCh(33, 34.361, 321.792)

Have a look what the booklet for
CIELCh(33, 34.361, 321.792)
contains.

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Color

CIELCh(33, 34.192, 321.758)

Conversions

Conversions Part 1

Format	Color
Hex	673E6F
RGB	103, 62, 111
RGB Percent	40%, 24%, 44%
CMY	0.5948, 0.7556, 0.5634
CMYK	0.07, 0.44, 0.00, 0.56
HSL	290°, 28%, 34%
HSV	290°, 44%, 44%
XYZ	10.2588, 7.5373, 16.0488
YIQ	79.8450, 8.7070, 23.9310

Conversions

Conversions Part 2

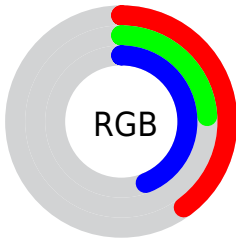
Format	Color
R_{YB}	103, 62, 111
Decimal	6766191
CIE _{Lab}	33.00, 26.85, -21.16
CIE _{LCh}	33, 34.192, 321.758
Yxy	7.5373, 0.3031, 0.2227
Android (android.graphics.Color)	4284956271 (0xFF673E6F)
YUV	79.8450, 15.3594, 20.3069
Hunter-Lab	27.4541, 18.6554, -15.4412

Details

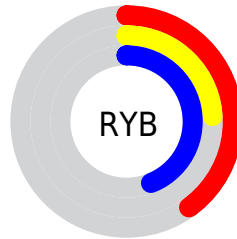
The CIELCh color **33, 34.192, 321.758** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **43, 33.743, 137.425**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 34.048, 321.603**, and **13, 33.920, 321.414** is the 20% darker color. If you saturate the color by 10%, you get **30, 41.508, 322.103**, and if you desaturate by 10%, it is **36, 26.521, 321.361**.

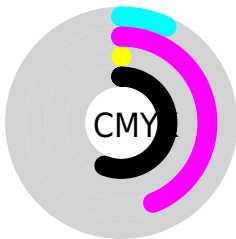
Distribution



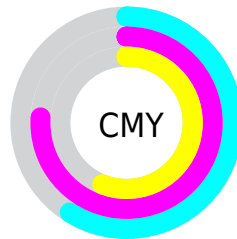
- Red (40%)
- Green (24%)
- Blue (44%)



- Red (40%)
- Yellow (24%)
- Blue (44%)



- Cyan (7%)
- Magenta (44%)
- Yellow (0%)
- Black (56%)





- Cyan (59%)
- Magenta (76%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 34.192, 321.758 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 33, 34.192, 321.758 by changing the saturation by 10% instead.


 33, 34.192,
321.758


 33, 34.192,
321.758

 100, 34.192,
321.758


 23, 34.192,
321.758

 53, 34.192,
321.758


 13, 34.192,
321.758


 63, 34.192,
321.758

 3, 34.192, 321.758

 73, 34.192,
321.758

 0, 34.192, 321.758

 83, 34.192,
321.758

 93, 34.192,
321.758

■ 33, 34.192,
321.758

■ 33, 34.192,
321.758

■ 30, 41.508,
322.103

■ 36, 26.521,
321.361

■ 28, 48.214,
322.369

■ 39, 18.695,
320.935

■ 26, 54.006,
322.523

■ 42, 10.855,
320.494

■ 24, 58.575,
322.531

■ 46, 3.096, 320.028

■ 23, 61.774,
322.377

■ 49, 4.523, 139.685

■ 22, 63.550,
322.281

■ 52, 11.964,
139.262

■ 56, 19.210,
138.876

■ 59, 26.253,
138.516

■ 63, 33.094,
138.183

Harmonies

Complementary

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



33, 34.192, 321.758



43, 33.743, 137.425

Rectangle

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



33, 34.192, 321.758



33, 34.192, 11.758



33, 34.192, 141.758



33, 34.192, 191.758

Sweetspot

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



33, 34.191, 321.758



55, 12.510, 320.464



31, 26.053, 288.688



28, 8.833, 320.544



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



33, 34.191, 321.758



40, 50.635, 322.116



33, 28.274, 338.971



22, 4.363, 320.268



24, 66.992, 322.236



52, 114.545, 321.911

Inverse Universe

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



33, 22.877, 11.311



39, 34.737, 13.371



43, 27.850, 151.893



22, 2.709, 6.794



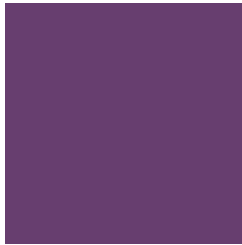
24, 53.384, 29.903



52, 94.000, 33.079

Previews

White Background



This preview shows how the CIELCh color 33, 34.192, 321.758 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 33, 34.192, 321.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

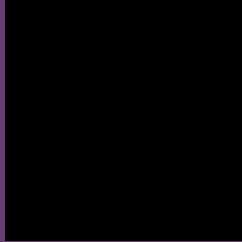
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 34.192, 321.758

Background



This preview shows how black text looks on a background with the CIELCh color 33, 34.192, 321.758.



This preview shows how white text looks on a background with the CIELCh color 33, 34.192, 321.758.

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

33, 34.192, 321.758

Protanopia

33, 29.104, 284.982

Deuteranopia

33, 20.282, 284.545



Tritanopia
33, 13.077, 5.049

Trichromacy



Original Color
33, 34.192, 321.758

Protanomaly
33, 29.720, 297.714

Deuteranomaly
33, 24.298, 301.972

Tritanomaly
33, 19.533, 338.001

Monochromacy



Original Color
33, 34.192, 321.758

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 12.228, 320.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 34.192, 321.758 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(103, 62, 111)` looks like.

```
.text, #text, p{  
    color:rgb(103, 62, 111)  
}
```

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(103, 62, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 62, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 34.192, 321.758 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(103, 62, 111) }
```

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

```
.border{ border-color:rgb(103, 62, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 62, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 62, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 62, 111);  
box-shadow:4px 4px 4px 4px rgb(103, 62,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 34.192, 321.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 62, 111) }
```

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

```
.background{ background-color: rgb(103, 62,  
111) }
```

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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