

Converting Colors

CIELCh(33, 32.763, 322.512)

Have a look what the booklet for
CIELCh(33, 32.763, 322.512)
contains.

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Color

CIELCh(33, 32.459, 322.682)

Conversions

Conversions Part 1

Format	Color
Hex	673F6D
RGB	103, 63, 109
RGB Percent	40%, 25%, 43%
CMY	0.5962, 0.7530, 0.5727
CMYK	0.06, 0.42, 0.00, 0.57
HSL	292°, 27%, 34%
HSV	292°, 42%, 43%
XYZ	10.1249, 7.5373, 15.3809
YIQ	80.2040, 9.0740, 22.7860

Conversions

Conversions Part 2

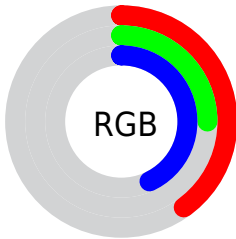
Format	Color
R_{YB}	103, 63, 109
Decimal	6766445
CIE _{Lab}	33.00, 25.81, -19.68
CIE _{LCh}	33, 32.459, 322.682
Yxy	7.5373, 0.3064, 0.2281
Android (android.graphics.Color)	4284956525 (0xFF673F6D)
YUV	80.2040, 14.1964, 19.9921
Hunter-Lab	27.4541, 17.7847, -13.9988

Details

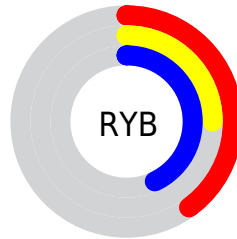
The CIELCh color **33, 32.459, 322.682** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **42, 32.153, 138.388**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 32.403, 322.482**, and **13, 32.254, 323.119** is the 20% darker color. If you saturate the color by 10%, you get **30, 39.722, 323.049**, and if you desaturate by 10%, it is **36, 24.858, 322.269**.

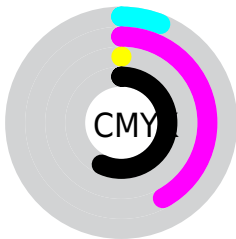
Distribution



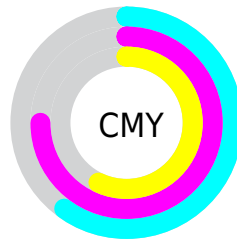
- Red (40%)
- Green (25%)
- Blue (43%)



- Red (40%)
- Yellow (25%)
- Blue (43%)



- Cyan (6%)
- Magenta (42%)
- Yellow (0%)
- Black (57%)





- Cyan (60%)
- Magenta (75%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 32.459, 322.682 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, 32.459, 322.682 by changing the saturation by 10% instead.


 33, 32.459,
322.682


 33, 32.459,
322.682

 100, 32.459,
322.682


 23, 32.459,
322.682

 53, 32.459,
322.682


 13, 32.459,
322.682


 63, 32.459,
322.682

 3, 32.459, 322.682

 73, 32.459,
322.682

 0, 32.459, 322.682

 83, 32.459,
322.682

 93, 32.459,
322.682

■ 33, 32.459,
322.682

■ 33, 32.459,
322.682

■ 30, 39.722,
323.049

■ 36, 24.858,
322.269

■ 28, 46.406,
323.344

■ 39, 17.112,
321.829

■ 26, 52.219,
323.541

■ 42, 9.356, 321.376

■ 24, 56.869,
323.611

■ 45, 1.683, 320.861

■ 49, 5.848, 140.540

■ 23, 60.141,
323.530

■ 52, 13.202,
140.111

■ 22, 62.360,
323.443

■ 55, 20.362,
139.713

■ 59, 27.319,
139.342

■ 62, 34.074,
138.995

Harmonies

Complementary

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



33, 32.459, 322.682



42, 32.153, 138.388

Rectangle

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



33, 32.459, 322.682



33, 32.459, 12.682



33, 32.459, 142.682



33, 32.459, 192.682

Sweetspot

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



33, 32.458, 322.682



54, 12.445, 321.428



30, 25.468, 289.974



27, 8.657, 321.508



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



33, 32.458, 322.682



40, 48.421, 323.056



33, 26.108, 340.403



21, 4.235, 321.224



24, 65.723, 323.405



53, 113.189, 323.132

Inverse Universe

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



32, 21.462, 13.471



39, 32.953, 15.397



42, 25.594, 153.479



21, 2.582, 9.348



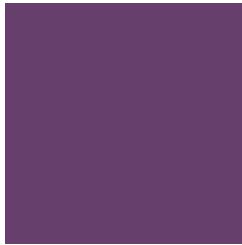
23, 53.544, 31.885



51, 95.262, 35.038

Previews

White Background



This preview shows how the CIELCh color 33, 32.459, 322.682 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 33, 32.459, 322.682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

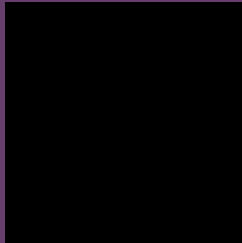
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 32.459, 322.682

Background



This preview shows how black text looks on a background with the CIELCh color 33, 32.459, 322.682.



This preview shows how white text looks on a background with the CIELCh color 33, 32.459, 322.682.

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, 32.459, 322.682

Protanopia

33, 27.247, 284.445

Deuteranopia

33, 18.395, 284.229



Tritanopia
33, 13.077, 5.049

Trichromacy



Original Color
33, 32.459, 322.682

Protanomaly
33, 27.880, 298.380

Deuteranomaly
33, 22.450, 302.476

Tritanomaly
33, 19.140, 339.407

Monochromacy



Original Color
33, 32.459, 322.682

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, 32.459, 322.682 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, 63, 109)` looks like.

```
.text, #text, p{  
    color:rgb(103, 63, 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(103, 63, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 63, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 32.459, 322.682 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, 63, 109) }
```

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

```
.border{ border-color:rgb(103, 63, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 63, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 63, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 63, 109);  
box-shadow:4px 4px 4px 4px rgb(103, 63,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 32.459, 322.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 63, 109) }
```

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

```
.background{ background-color: rgb(103, 63,  
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](#).

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