

Converting Colors

CIELCh(32, 31.394, 322.399)

Have a look what the booklet for
CIELCh(32, 31.394, 322.399)
contains.

CIELCh(32, 31.745, 321.921)	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(32, 31.745, 321.921)

Conversions

Conversions Part 1

Format	Color
Hex	633D6A
RGB	99, 61, 106
RGB Percent	39%, 24%, 42%
CMY	0.6106, 0.7597, 0.5831
CMYK	0.07, 0.42, 0.00, 0.58
HSL	291°, 27%, 33%
HSV	291°, 42%, 42%
XYZ	9.4808, 7.0852, 14.5872
YIQ	77.4920, 8.2030, 22.0510

Conversions

Conversions Part 2

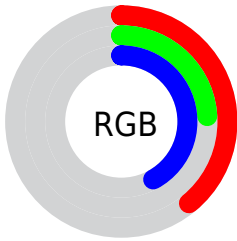
Format	Color
RYB	99, 61, 106
Decimal	6503786
CIELab	32.00, 24.99, -19.58
CIELCh	32, 31.745, 321.921
Yxy	7.0852, 0.3043, 0.2274
Android (android.graphics.Color)	4284693866 (0xFF633D6A)
YUV	77.4920, 14.0544, 18.8625
Hunter-Lab	26.6180, 16.9970, -13.8595




Details

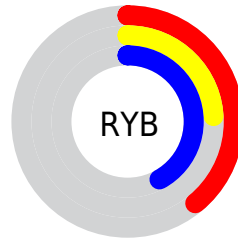
The CIELCh color **32, 31.745, 321.921** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **41, 31.363, 137.754**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **52, 31.869, 322.409**, and **12, 31.591, 322.293** is the 20% darker color. If you saturate the color by 10%, you get **29, 38.869, 322.279**, and if you desaturate by 10%, it is **35, 24.314, 321.517**.

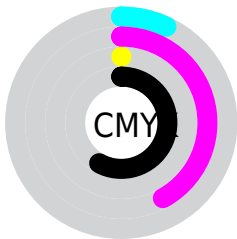
Distribution







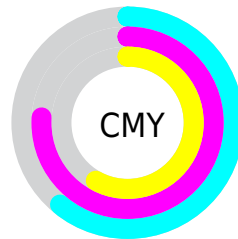
-  Red (39%)
-  Green (24%)
-  Blue (42%)






-  Red (39%)
-  Yellow (24%)
-  Blue (42%)



-  Cyan (7%)
-  Magenta (42%)
-  Yellow (0%)
-  Black (58%)





-  Cyan (61%)
-  Magenta (76%)
-  Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 31.745, 321.921 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 32, 31.745, 321.921 by changing the saturation by 10% instead.


 32, 31.745,
321.921


 32, 31.745,
321.921

 100, 31.745,
321.921


 22, 31.745,
321.921

 52, 31.745,
321.921


 12, 31.745,
321.921


 62, 31.745,
321.921

 2, 31.745, 321.921

 72, 31.745,
321.921

 0, 31.745, 321.921

 82, 31.745,
321.921

 92, 31.745,
321.921

■ 32, 31.745,
321.921

■ 32, 31.745,
321.921

■ 29, 38.869,
322.279

■ 35, 24.314,
321.517

■ 27, 45.454,
322.564

■ 38, 16.759,
321.087

■ 25, 51.215,
322.746

■ 41, 9.205, 320.644

■ 44, 1.739, 320.148

■ 23, 55.858,
322.793

■ 47, 5.586, 139.833

■ 22, 59.171,
322.681

■ 51, 12.738,
139.417

■ 21, 61.442,
322.579

■ 54, 19.701,
139.033

■ 57, 26.468,
138.676

■ 61, 33.041,
138.344

Harmonies

Complementary

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



32, 31.745, 321.921



41, 31.363, 137.754

Rectangle

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



32, 31.745, 321.921



32, 31.745, 11.921



32, 31.745, 141.921



32, 31.745, 191.921

Sweetspot

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



32, 31.744, 321.921



52, 11.994, 320.690



30, 24.046, 288.320



26, 8.339, 320.765



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



32, 31.744, 321.921



39, 46.826, 322.280



32, 26.228, 338.802



21, 4.204, 320.492



23, 65.906, 322.519



52, 113.534, 322.198

Inverse Universe

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



32, 21.106, 11.567



38, 31.916, 13.459



41, 25.833, 152.106



21, 2.598, 7.385



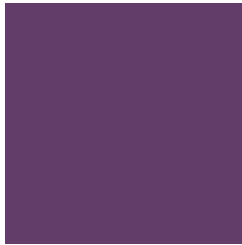
23, 52.760, 30.306



51, 93.718, 33.543

Previews

White Background



This preview shows how the CIE LCh color 32, 31.745, 321.921 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 32, 31.745, 321.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

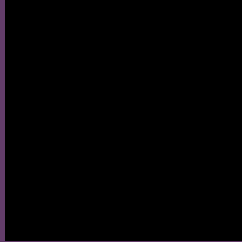
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 31.745, 321.921

Background



This preview shows how black text looks on a background with the CIELCh color 32, 31.745, 321.921.



This preview shows how white text looks on a background with the CIELCh color 32, 31.745, 321.921.

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


32, 31.745, 321.921

Protanopia

32, 27.371, 285.306

Deuteranopia

32, 18.473, 284.334



Tritanopia
32, 12.699, 4.424

Trichromacy



Original Color
32, 31.745, 321.921

Protanomaly
32, 28.059, 298.494

Deuteranomaly
32, 22.546, 302.523

Tritanomaly
32, 18.185, 338.897

Monochromacy



Original Color
32, 31.745, 321.921

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 11.737, 321.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 31.745, 321.921 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(99, 61, 106)` looks like.

```
.text, #text, p{  
    color:rgb(99, 61, 106)  
}
```

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(99, 61, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 61, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 31.745, 321.921 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(99, 61, 106) }
```

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

```
.border{ border-color:rgb(99, 61, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 61, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 61, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 61, 106);  
box-shadow:4px 4px 4px 4px rgb(99, 61,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 31.745, 321.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 61, 106) }
```

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

```
.background{ background-color: rgb(99, 61,  
106) }
```

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