

Converting Colors

CIELCh(32, 34.070, 308.400)

Have a look what the booklet for
CIELCh(32, 34.070, 308.400)
contains.

CIELCh(32, 33.877, 308.759)	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, 33.877, 308.759)

Conversions

Conversions Part 1

Format	Color
Hex	574175
RGB	87, 65, 117
RGB Percent	34%, 25%, 46%
CMY	0.6590, 0.7452, 0.5413
CMYK	0.26, 0.44, 0.00, 0.54
HSL	265°, 29%, 36%
HSV	265°, 44%, 46%
XYZ	9.0247, 7.0852, 17.7111
YIQ	77.5060, -3.5800, 20.8360

Conversions

Conversions Part 2

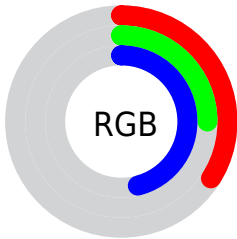
Format	Color
R_{YB}	87, 65, 117
Decimal	5718389
CIE _{Lab}	32.00, 21.21, -26.42
CIE _{LCh}	32, 33.877, 308.759
Yxy	7.0852, 0.2668, 0.2095
Android (android.graphics.Color)	4283908469 (0xFF574175)
YUV	77.5060, 19.4705, 8.3262
Hunter-Lab	26.6180, 13.9383, -20.8178

Details

The CIELCh color $[32, 33.877, 308.759]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[46, 31.488, 124.253]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 33.836, 308.906]$, and $[12, 33.954, 308.836]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 41.817, 309.378]$, and if you desaturate by 10%, it is $[36, 25.962, 308.145]$.

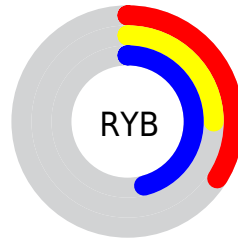
Distribution



 Red (34%)

 Green (25%)

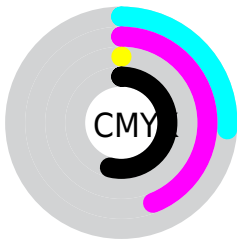
 Blue (46%)



 Red (34%)

 Yellow (25%)

 Blue (46%)

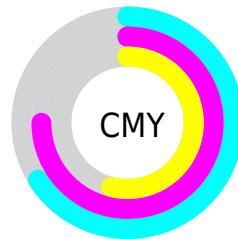


 Cyan (26%)

 Magenta (44%)

 Yellow (0%)

 Black (54%)



 Cyan (66%)


 Magenta (75%)


 Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 33.877, 308.759 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, 33.877, 308.759 by changing the saturation by 10% instead.


 32, 33.877,
308.759


 32, 33.877,
308.759

 100, 33.877,
308.759


 22, 33.877,
308.759

 52, 33.877,
308.759


 12, 33.877,
308.759


 62, 33.877,
308.759

 2, 33.877, 308.759

 72, 33.877,
308.759

 0, 33.877, 308.759

 82, 33.877,
308.759

 92, 33.877,
308.759

■ 32, 33.877,
308.759

■ 32, 33.877,
308.759

■ 28, 41.817,
309.378

■ 36, 25.962,
308.145

■ 25, 49.592,
309.959

■ 40, 18.182,
307.561

■ 22, 56.889,
310.430

■ 44, 10.592,
307.020

■ 19, 63.243,
310.695

■ 47, 3.219, 306.519

■ 51, 3.931, 126.116

■ 16, 68.218,
310.671

■ 55, 10.859,
125.718

■ 15, 70.982,
310.734

■ 59, 17.570,
125.374

■ 63, 24.075,
125.074

■ 67, 30.384,
124.813

Harmonies

Complementary

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



32, 33.877, 308.759



46, 31.488, 124.253

Rectangle

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



32, 33.877, 308.759



32, 33.877, 358.759



32, 33.877, 128.759



32, 33.877, 178.759

Sweetspot

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



32, 33.876, 308.759



57, 11.851, 306.963



39, 16.470, 252.785



28, 8.265, 307.056



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



32, 33.876, 308.759



38, 50.711, 309.373



35, 36.503, 324.208



23, 4.102, 306.746



16, 73.369, 310.681



38, 125.189, 310.089

Inverse Universe

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



35, 28.067, 343.571



42, 41.111, 344.725



45, 36.334, 139.324



23, 3.532, 340.345



26, 50.580, 353.622



54, 84.994, 355.618

Previews

White Background



This preview shows how the CIELCh color 32, 33.877, 308.759 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 32, 33.877, 308.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

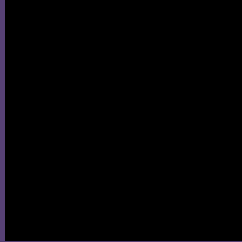
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 33.877, 308.759

Background



This preview shows how black text looks on a background with the CIELCh color 32, 33.877, 308.759.



This preview shows how white text looks on a background with the CIELCh color 32, 33.877, 308.759.

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

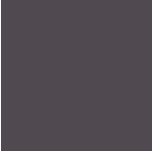
32, 33.877, 308.759

Protanopia

32, 32.426, 285.518

Deuteranopia

32, 25.735, 280.797



Tritanopia
32, 4.885, 329.050

Trichromacy



Original Color
32, 33.877, 308.759

Protanomaly
32, 32.259, 293.319

Deuteranomaly
32, 28.533, 292.374

Tritanomaly
32, 15.593, 312.331

Monochromacy



Original Color
32, 33.877, 308.759

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 12.517, 307.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 33.877, 308.759 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(87, 65, 117)` looks like.

```
.text, #text, p{  
    color:rgb(87, 65, 117)  
}
```

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(87, 65, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 65, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 33.877, 308.759 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(87, 65, 117) }
```

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

```
.border{ border-color:rgb(87, 65, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 65, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 65, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 65, 117);  
box-shadow:4px 4px 4px 4px rgb(87, 65,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 33.877, 308.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 65, 117) }
```

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

```
.background{ background-color: rgb(87, 65,  
117) }
```

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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