

Converting Colors

CIELCh(32, 20.934, 349.166)

Have a look what the booklet for
CIELCh(32, 20.934, 349.166)
contains.

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Color

CIELCh(32, 20.873, 348.670)

Conversions

Conversions Part 1

Format	Color
Hex	673F52
RGB	103, 63, 82
RGB Percent	40%, 25%, 32%
CMY	0.5952, 0.7522, 0.6776
CMYK	0.00, 0.39, 0.20, 0.60
HSL	332°, 24%, 33%
HSV	332°, 39%, 40%
XYZ	8.9369, 7.0852, 8.9191
YIQ	77.1260, 17.7410, 14.3890

Conversions

Conversions Part 2

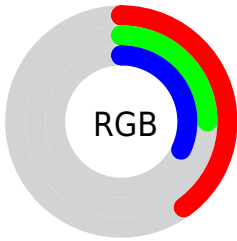
Format	Color
RYB	103, 63, 82
Decimal	6766418
CIELab	32.00, 20.47, -4.10
CIElCh	32, 20.873, 348.670
Yxy	7.0852, 0.3583, 0.2841
Android (android.graphics.Color)	4284956498 (0xFF673F52)
YUV	77.1260, 2.4029, 22.6915
Hunter-Lab	26.6180, 13.3493, -1.2341

Details

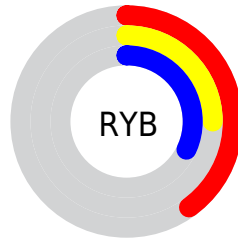
The CIELCh color $[32, 20.873, 348.670]$ is a dark color, and the websafe version is hex 663333 . A complement of this color would be $[40, 19.853, 161.464]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 21.033, 348.850]$, and $[12, 20.722, 349.912]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 26.139, 349.950]$, and if you desaturate by 10%, it is $[35, 15.445, 347.561]$.

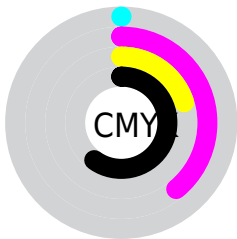
Distribution



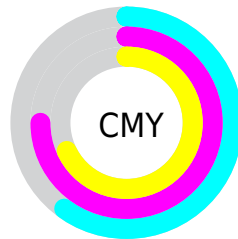
- Red (40%)
- Green (25%)
- Blue (32%)



- Red (40%)
- Yellow (25%)
- Blue (32%)



- Cyan (0%)
- Magenta (39%)
- Yellow (20%)
- Black (60%)





- Cyan (60%)
- Magenta (75%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 20.873, 348.670 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, 20.873, 348.670 by changing the saturation by 10% instead.


 32, 20.873,
348.670


 32, 20.873,
348.670

 100, 20.873,
348.670


 22, 20.873,
348.670

 52, 20.873,
348.670


 12, 20.873,
348.670


 62, 20.873,
348.670

 2, 20.873, 348.670

 72, 20.873,
348.670

 0, 20.873, 348.670

 82, 20.873,
348.670

 92, 20.873,
348.670

32, 20.873,
348.670

32, 20.873,
348.670

29, 26.139,
349.950

35, 15.445,
347.561

27, 31.061,
351.456

38, 9.997, 346.575

41, 4.618, 345.671

25, 35.404,
353.269

44, 0.635, 165.339

23, 38.924,
355.498

47, 5.733, 164.258

22, 41.426,
358.278

50, 10.662,
163.572

21, 43.362, 1.387

54, 15.421,
162.951

21, 43.625, 1.753

57, 20.012,
162.378

60, 24.445,

Harmonies

Complementary

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



32, 20.873, 348.670



40, 19.853, 161.464

Rectangle

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



32, 20.873, 348.670



32, 20.873, 38.670



32, 20.873, 168.670



32, 20.873, 218.670

Sweetspot

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



32, 20.871, 348.671



52, 7.921, 345.990



30, 26.790, 311.416



26, 5.300, 346.067



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, 20.871, 348.671



39, 31.446, 349.895



32, 18.681, 23.929



19, 2.929, 345.684



23, 46.982, 2.329



52, 81.233, 5.267

Inverse Universe

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



32, 20.871, 348.671



39, 31.446, 349.895



41, 14.441, 199.311



19, 2.929, 345.684



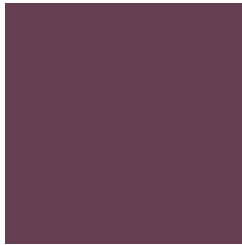
23, 46.982, 2.329



52, 81.233, 5.267

Previews

White Background



This preview shows how the CIE LCh color 32, 20.873, 348.670 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, 20.873, 348.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

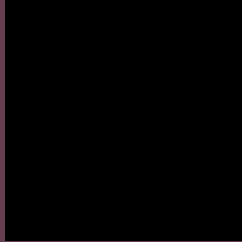
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 20.873, 348.670

Background



This preview shows how black text looks on a background with the CIELCh color 32, 20.873, 348.670.

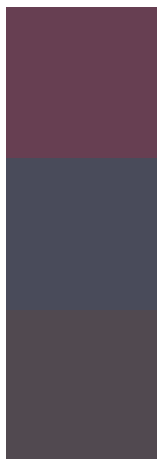


This preview shows how white text looks on a background with the CIELCh color 32, 20.873, 348.670.

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, 20.873, 348.670

Protanopia

32, 9.516, 287.025

Deuteranopia

32, 5.645, 328.542



Tritanopia
32, 17.234, 12.131

Trichromacy



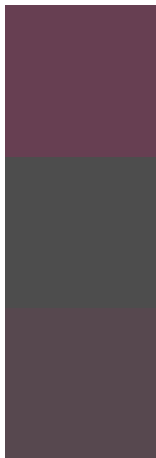
Original Color
32, 20.873, 348.670

Protanomaly
32, 11.561, 319.930

Deuteranomaly
32, 11.526, 340.252

Tritanomaly
32, 18.117, 2.655

Monochromacy



Original Color
32, 20.873, 348.670

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 7.919, 346.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 20.873, 348.670 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(103, 63, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 63, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 20.873, 348.670 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, 82) }
```

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

```
.border{ border-color:rgb(103, 63, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 63, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 63, 82);  
box-shadow:4px 4px 4px 4px rgb(103, 63,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 20.873, 348.670 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, 82) }
```

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

```
.background{ background-color: rgb(103, 63,  
82) }
```

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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