

Converting Colors

CIELCh(32, 19.577, 293.819)

Have a look what the booklet for
CIELCh(32, 19.577, 293.819)
contains.

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Color

CIELCh(32, 19.698, 294.670)

Conversions

Conversions Part 1

Format	Color
Hex	494867
RGB	73, 72, 103
RGB Percent	29%, 28%, 40%
CMY	0.7126, 0.7165, 0.5949
CMYK	0.29, 0.30, 0.00, 0.59
HSL	242°, 18%, 34%
HSV	242°, 30%, 41%
XYZ	7.5694, 7.0852, 13.8811
YIQ	75.8330, -9.3550, 9.8530

Conversions

Conversions Part 2

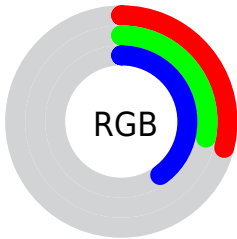
Format	Color
R_{YB}	73, 72, 103
Decimal	4802663
CIE Lab	32.00, 8.22, -17.90
CIE LCh	32, 19.698, 294.670
Yxy	7.0852, 0.2653, 0.2483
Android (android.graphics.Color)	4282992743 (0xFF494867)
YUV	75.8330, 13.3933, -2.4845
Hunter-Lab	26.6180, 4.1788, -12.2868

Details


The CIELCh color $32, 19.698, 294.670$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $43, 18.407, 108.876$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $52, 19.831, 294.705$, and $12, 19.542, 294.708$ is the 20% darker color. If you saturate the color by 10%, you get $28, 26.786, 296.096$, and if you desaturate by 10%, it is $36, 12.882, 293.435$.

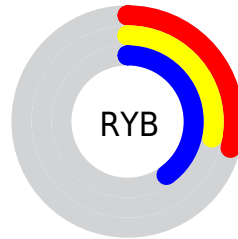
Distribution



 Red (29%)

 Green (28%)

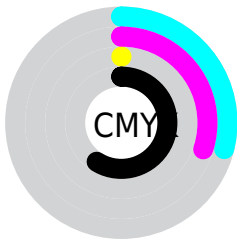
 Blue (40%)



 Red (29%)

 Yellow (28%)

 Blue (40%)

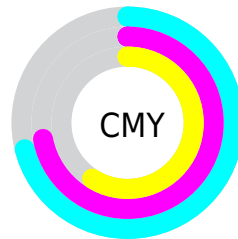


 Cyan (29%)

 Magenta (30%)

 Yellow (0%)

 Black (59%)



 Cyan (71%)


 Magenta (72%)


 Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 19.698, 294.670 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, 19.698, 294.670 by changing the saturation by 10% instead.


 32, 19.698,
294.670


 32, 19.698,
294.670

 100, 19.698,
294.670


 22, 19.698,
294.670

 52, 19.698,
294.670


 12, 19.698,
294.670


 62, 19.698,
294.670

 2, 19.698, 294.670

 72, 19.698,
294.670

 0, 19.698, 294.670

 82, 19.698,
294.670

 92, 19.698,
294.670

■ 32, 19.698,
294.670

■ 32, 19.698,
294.670

■ 28, 26.786,
296.096

■ 36, 12.882,
293.435

■ 24, 34.142,
297.722

■ 40, 6.329, 292.376

■ 44, 0.022, 292.924

■ 20, 41.711,
299.526

■ 48, 6.058, 110.671

■ 17, 49.328,
301.438

■ 51, 11.925,
109.999

■ 14, 56.606,
303.308

■ 55, 17.594,
109.418

■ 11, 62.834,
304.896

■ 59, 23.078,
108.915

■ 9, 68.684, 306.477

■ 63, 28.390,
108.478

■ 66, 33.539,
108.096

Harmonies

Complementary

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



32, 19.698, 294.670



43, 18.407, 108.876

Rectangle

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



32, 19.698, 294.670



32, 19.698, 344.670



32, 19.698, 114.670



32, 19.698, 164.670

Sweetspot

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



32, 19.697, 294.670



52, 7.075, 292.301



41, 11.577, 199.595



26, 4.965, 292.410



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, 19.697, 294.670



39, 29.862, 295.650



33, 20.590, 310.984



19, 3.500, 292.267



11, 74.019, 306.456



31, 128.573, 306.355

Inverse Universe

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



35, 22.451, 326.875



44, 33.439, 327.231



42, 19.829, 128.353



20, 4.137, 325.758



26, 62.557, 329.509



57, 108.325, 329.589

Previews

White Background



This preview shows how the CIE LCh color 32, 19.698, 294.670 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, 19.698, 294.670 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, 19.698, 294.670

Background



This preview shows how black text looks on a background with the CIELCh color 32, 19.698, 294.670.

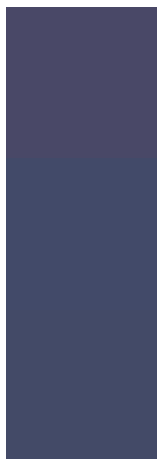


This preview shows how white text looks on a background with the CIELCh color 32, 19.698, 294.670.

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, 19.698, 294.670

Protanopia

32, 19.751, 285.262

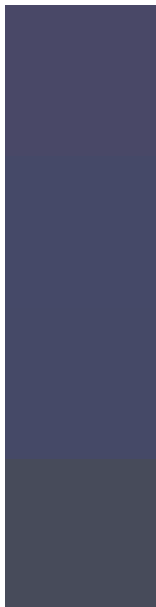
Deuteranopia

32, 18.471, 285.464



Tritanopia
32, 4.719, 253.070

Trichromacy



Original Color
32, 19.698, 294.670

Protanomaly
32, 19.676, 289.362

Deuteranomaly
32, 19.049, 289.094

Tritanomaly
32, 9.597, 282.313

Monochromacy



Original Color
32, 19.698, 294.670

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 6.968, 291.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 19.698, 294.670 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(73, 72, 103)` looks like.

```
.text, #text, p{  
    color:rgb(73, 72, 103)  
}
```

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(73, 72, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 72, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 19.698, 294.670 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(73, 72, 103) }
```

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

```
.border{ border-color:rgb(73, 72, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 72, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 72, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 72, 103);  
box-shadow:4px 4px 4px 4px rgb(73, 72,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 19.698, 294.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 72, 103) }
```

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

```
.background{ background-color: rgb(73, 72,  
103) }
```

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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