

Converting Colors

CIELCh(32, 16.278, 312.956)

Have a look what the booklet for
CIELCh(32, 16.278, 312.956)
contains.

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Color

CIELCh(32, 16.312, 312.966)

Conversions

Conversions Part 1

Format	Color
Hex	54465E
RGB	84, 70, 94
RGB Percent	33%, 27%, 37%
CMY	0.6703, 0.7252, 0.6311
CMYK	0.11, 0.26, 0.00, 0.63
HSL	275°, 15%, 32%
HSV	275°, 26%, 37%
XYZ	7.8792, 7.0852, 11.5572
YIQ	76.9220, 0.6400, 10.4320

Conversions

Conversions Part 2

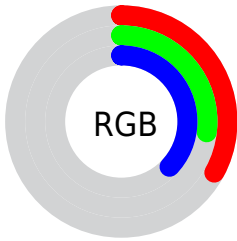
Format	Color
R_{YB}	84, 70, 94
Decimal	5523038
CIE _{Lab}	32.00, 11.12, -11.94
CIE _{LCh}	32, 16.312, 312.966
Yxy	7.0852, 0.2971, 0.2671
Android (android.graphics.Color)	4283713118 (0xFF54465E)
YUV	76.9220, 8.4195, 6.2074
Hunter-Lab	26.6180, 6.2565, -7.1104

Details

The CIELCh color $[32, 16.312, 312.966]$ is a dark color, and the websafe version is hex $\#333333$. A complement of this color would be $[38, 15.888, 130.871]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 16.377, 313.736]$, and $[12, 16.094, 313.172]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 22.901, 313.407]$, and if you desaturate by 10%, it is $[35, 9.813, 312.535]$.

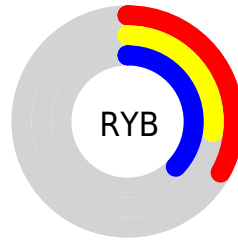
Distribution



 Red (33%)

 Green (27%)

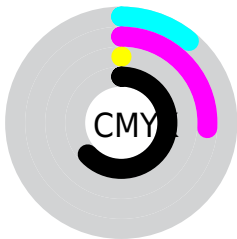
 Blue (37%)




 Red (33%)

 Yellow (27%)

 Blue (37%)

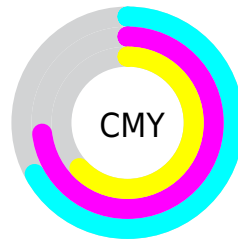


 Cyan (11%)


 Magenta (26%)

 Yellow (0%)

 Black (63%)



 Cyan (67%)


 Magenta (73%)


 Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 16.312, 312.966 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, 16.312, 312.966 by changing the saturation by 10% instead.


 32, 16.312,
312.966


 32, 16.312,
312.966


 100, 16.312,
312.966


 22, 16.312,
312.966

 52, 16.312,
312.966


 12, 16.312,
312.966


 62, 16.312,
312.966

 2, 16.312, 312.966

 72, 16.312,
312.966

 0, 16.312, 312.966

 82, 16.312,
312.966

 92, 16.312,
312.966

32, 16.312,
312.966

32, 16.312,
312.966

29, 22.901,
313.407

35, 9.813, 312.535

26, 29.512,
313.842

38, 3.449, 312.114

23, 36.024,
314.245

41, 2.758, 131.792

20, 42.257,
314.577

44, 8.798, 131.426

18, 47.957,
314.786

48, 14.669,
131.109

16, 52.796,
314.802

51, 20.373,
130.825

14, 56.814,
314.665

54, 25.916,
130.572

13, 58.774,

57, 31.304,
130.348

60, 36.544,

314.682

130.149

Harmonies

Complementary

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



32, 16.312, 312.966



38, 15.888, 130.871

Rectangle

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



32, 16.312, 312.966



32, 16.312, 2.966



32, 16.312, 132.966



32, 16.312, 182.966

Sweetspot

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



32, 16.311, 312.966



48, 6.232, 312.230



34, 9.503, 267.451



24, 4.393, 312.276



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



32, 16.311, 312.966



39, 24.759, 313.249



33, 17.073, 328.125



17, 3.446, 312.253



17, 65.560, 314.479



41, 116.186, 313.783

Inverse Universe

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



33, 12.239, 350.698



40, 18.565, 351.410



37, 17.052, 145.165



17, 2.581, 349.068



22, 45.342, 7.436



51, 80.179, 10.950

Previews

White Background



This preview shows how the CIELCh color 32, 16.312, 312.966 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, 16.312, 312.966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

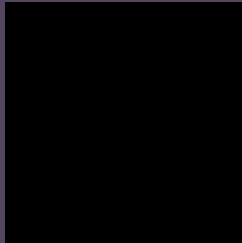
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 16.312, 312.966

Background



This preview shows how black text looks on a background with the CIELCh color 32, 16.312, 312.966.

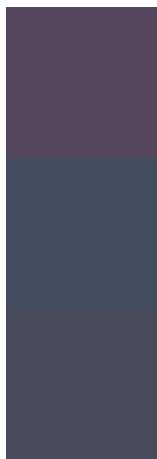


This preview shows how white text looks on a background with the CIELCh color 32, 16.312, 312.966.

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

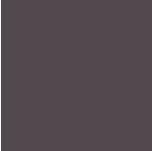
32, 16.312, 312.966

Protanopia

32, 14.048, 283.277

Deuteranopia

32, 12.048, 292.294



Tritanopia
32, 5.469, 336.338

Trichromacy



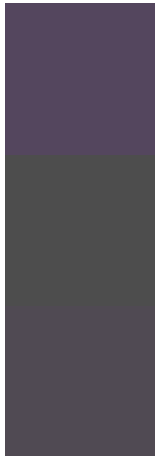
Original Color
32, 16.312, 312.966

Protanomaly
32, 14.616, 294.256

Deuteranomaly
32, 12.881, 301.303

Tritanomaly
32, 8.962, 322.812

Monochromacy



Original Color
32, 16.312, 312.966

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 6.272, 315.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 16.312, 312.966 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(84, 70, 94)` looks like.

```
.text, #text, p{  
    color:rgb(84, 70, 94)  
}
```

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(84, 70, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 70, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 16.312, 312.966 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(84, 70, 94) }
```

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

```
.border{ border-color:rgb(84, 70, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 70, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 70, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 70, 94);  
box-shadow:4px 4px 4px 4px rgb(84, 70, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 16.312, 312.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 70, 94) }
```

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

```
.background{ background-color: rgb(84, 70,  
94) }
```

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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