

Converting Colors

CIELCh(32, 18.825, 310.806)

Have a look what the booklet for
CIELCh(32, 18.825, 310.806)
contains.

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Color

CIELCh(32, 18.674, 310.349)

Conversions

Conversions Part 1

Format	Color
Hex	544662
RGB	84, 70, 98
RGB Percent	33%, 27%, 38%
CMY	0.6719, 0.7267, 0.6170
CMYK	0.14, 0.29, 0.00, 0.62
HSL	270°, 17%, 33%
HSV	270°, 29%, 38%
XYZ	7.9851, 7.0852, 12.4181
YIQ	77.3780, -0.6440, 11.6760

Conversions

Conversions Part 2

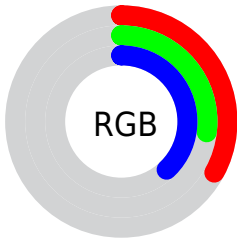
Format	Color
RYB	84, 70, 98
Decimal	5523042
CIELab	32.00, 12.09, -14.23
CIELCh	32, 18.674, 310.349
Yxy	7.0852, 0.2905, 0.2578
Android (android.graphics.Color)	4283713122 (0xFF544662)
YUV	77.3780, 10.1666, 5.8075
Hunter-Lab	26.6180, 6.9669, -9.0281

Details

The CIELCh color $[32, 18.674, 310.349]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[40, 17.995, 127.831]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 19.080, 310.561]$, and $[12, 17.998, 309.698]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 25.452, 310.852]$, and if you desaturate by 10%, it is $[35, 12.008, 309.866]$.

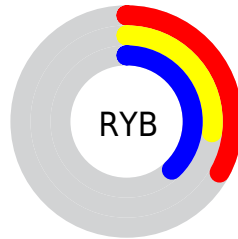
Distribution



Red (33%)

Green (27%)

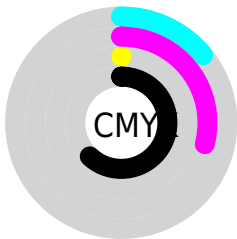
Blue (38%)



Red (33%)

Yellow (27%)

Blue (38%)

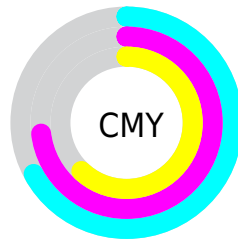


Cyan (14%)

Magenta (29%)

Yellow (0%)

Black (62%)



Cyan (67%)


Magenta (73%)

Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 18.674, 310.349 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, 18.674, 310.349 by changing the saturation by 10% instead.


 32, 18.674,
310.349


 32, 18.674,
310.349

 100, 18.674,
310.349


 22, 18.674,
310.349

 52, 18.674,
310.349


 12, 18.674,
310.349


 62, 18.674,
310.349

 2, 18.674, 310.349

 72, 18.674,
310.349

 0, 18.674, 310.349

 82, 18.674,
310.349

 92, 18.674,
310.349

■ 32, 18.674,
310.349

■ 32, 18.674,
310.349

■ 29, 25.452,
310.852

■ 35, 12.008,
309.866

■ 26, 32.272,
311.359

■ 39, 5.498, 309.410

■ 23, 39.009,
311.839

■ 42, 0.839, 129.096

■ 45, 6.996, 128.651

■ 20, 45.463,
312.245

■ 48, 12.972,
128.313

■ 17, 51.339,
312.511

■ 52, 18.773,
128.015

■ 15, 56.253,
312.549


■ 55, 24.405,
127.753

■ 13, 60.707,
312.559

■ 58, 29.875,
127.522

■ 13, 61.371,

312.589

 61, 35.192,
127.321

Harmonies

Complementary

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



32, 18.674, 310.349



40, 17.995, 127.831

Rectangle

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



32, 18.674, 310.349



32, 18.674, 0.349



32, 18.674, 130.349



32, 18.674, 180.349

Sweetspot

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



32, 18.673, 310.349



50, 7.128, 309.438



35, 9.924, 257.618



24, 4.917, 309.484



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



32, 18.673, 310.349



40, 27.782, 310.669



33, 20.817, 325.417



18, 3.543, 309.420



16, 67.797, 312.403



38, 119.287, 311.710

Inverse Universe

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



33, 14.919, 346.078



41, 22.089, 346.737



39, 20.796, 142.229



18, 2.852, 344.279



23, 46.457, 359.933



52, 80.774, 2.773

Previews

White Background



This preview shows how the CIELCh color 32, 18.674, 310.349 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, 18.674, 310.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

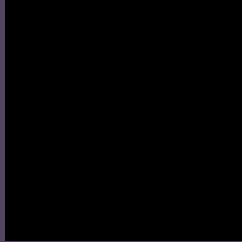
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 18.674, 310.349

Background



This preview shows how black text looks on a background with the CIELCh color 32, 18.674, 310.349.

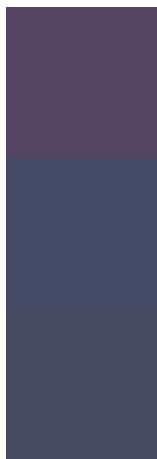


This preview shows how white text looks on a background with the CIELCh color 32, 18.674, 310.349.

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, 18.674, 310.349

Protanopia

32, 17.189, 285.764

Deuteranopia

32, 14.597, 288.229



Tritanopia
32, 5.167, 332.889

Trichromacy



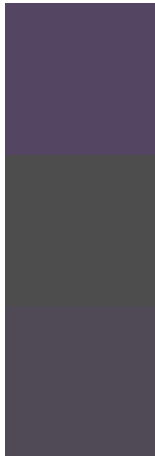
Original Color
32, 18.674, 310.349

Protanomaly
32, 17.824, 295.711

Deuteranomaly
32, 15.993, 298.511

Tritanomaly
32, 9.865, 316.806

Monochromacy



Original Color
32, 18.674, 310.349

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 7.308, 308.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 18.674, 310.349 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(84, 70, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 70, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 18.674, 310.349 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, 98) }
```

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

```
.border{ border-color:rgb(84, 70, 98) }
```

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, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 70, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 70, 98);  
box-shadow:4px 4px 4px 4px rgb(84, 70, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 18.674, 310.349 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, 98) }
```

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

```
.background{ background-color: rgb(84, 70,  
98) }
```

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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