

Converting Colors

CIELCh(32, 31.897, 312.892)

Have a look what the booklet for
CIELCh(32, 31.897, 312.892)
contains.

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Color

CIELCh(32, 31.973, 313.102)

Conversions

Conversions Part 1

Format	Color
Hex	5B4070
RGB	91, 64, 112
RGB Percent	36%, 25%, 44%
CMY	0.6426, 0.7485, 0.5602
CMYK	0.19, 0.43, 0.00, 0.56
HSL	274°, 27%, 35%
HSV	274°, 43%, 44%
XYZ	9.1007, 7.0852, 16.2576
YIQ	77.5450, 0.6840, 20.6520

Conversions

Conversions Part 2

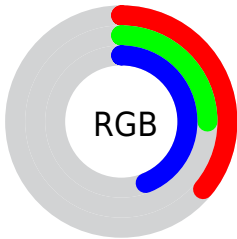
Format	Color
R_{YB}	91, 64, 112
Decimal	5980272
CIE _{Lab}	32.00, 21.85, -23.34
CIE _{LCh}	32, 31.973, 313.102
Yxy	7.0852, 0.2805, 0.2184
Android (android.graphics.Color)	4284170352 (0xFF5B4070)
YUV	77.5450, 16.9863, 11.8000
Hunter-Lab	26.6180, 14.4480, -17.5804

Details

The CIELCh color $[32, 31.973, 313.102]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[44, 30.429, 129.343]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 32.177, 313.111]$, and $[12, 32.184, 313.428]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 39.544, 313.540]$, and if you desaturate by 10%, it is $[35, 24.332, 312.640]$.

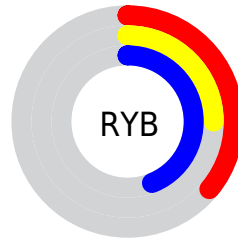
Distribution



Red (36%)

Green (25%)

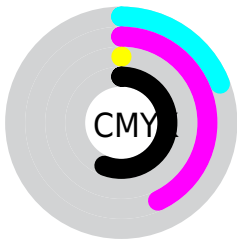
Blue (44%)



Red (36%)

Yellow (25%)

Blue (44%)

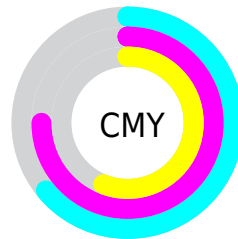


Cyan (19%)

Magenta (43%)

Yellow (0%)

Black (56%)



Cyan (64%)


Magenta (75%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 31.973, 313.102 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, 31.973, 313.102 by changing the saturation by 10% instead.


 32, 31.973,
313.102


 32, 31.973,
313.102

 100, 31.973,
313.102


 22, 31.973,
313.102

 52, 31.973,
313.102


 12, 31.973,
313.102


 62, 31.973,
313.102

 2, 31.973, 313.102

 72, 31.973,
313.102

 0, 31.973, 313.102

 82, 31.973,
313.102

 92, 31.973,
313.102

■ 32, 31.973,
313.102

■ 32, 31.973,
313.102

■ 29, 39.544,
313.540

■ 35, 24.332,
312.640

■ 25, 46.851,
313.915

■ 39, 16.749,
312.180

■ 23, 53.598,
314.171

■ 43, 9.297, 311.736

■ 20, 59.398,
314.235

■ 46, 2.019, 311.289

■ 50, 5.066, 130.973

■ 18, 63.856,
314.031

■ 54, 11.952,
130.619

■ 17, 66.907,
313.914

■ 57, 18.637,
130.306

■ 61, 25.127,
130.029

■ 64, 31.430,
129.783

Harmonies

Complementary

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



32, 31.973, 313.102



44, 30.429, 129.343

Rectangle

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



32, 31.973, 313.102



32, 31.973, 3.102



32, 31.973, 133.102



32, 31.973, 183.102

Sweetspot

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



32, 31.972, 313.102



54, 11.676, 311.759



36, 17.720, 267.746



27, 8.252, 311.837



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



32, 31.972, 313.102



38, 47.237, 313.520



35, 33.515, 328.059



22, 4.064, 311.571



18, 70.203, 313.834



42, 120.513, 313.211

Inverse Universe

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



34, 24.184, 351.550



41, 35.418, 352.953



43, 33.589, 142.663



22, 3.098, 347.858



24, 48.307, 6.018



53, 82.582, 9.023

Previews

White Background



This preview shows how the CIELCh color 32, 31.973, 313.102 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, 31.973, 313.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

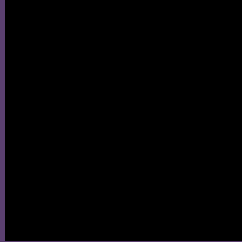
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 31.973, 313.102

Background



This preview shows how black text looks on a background with the CIELCh color 32, 31.973, 313.102.



This preview shows how white text looks on a background with the CIELCh color 32, 31.973, 313.102.

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, 31.973, 313.102

Protanopia

32, 29.887, 285.604

Deuteranopia

32, 22.446, 281.752



Tritanopia
32, 6.543, 351.654

Trichromacy



Original Color
32, 31.973, 313.102

Protanomaly
32, 30.442, 295.330

Deuteranomaly
32, 25.395, 295.312

Tritanomaly
32, 15.306, 321.486

Monochromacy



Original Color
32, 31.973, 313.102

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 11.572, 312.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 31.973, 313.102 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(91, 64, 112)` looks like.

```
.text, #text, p{  
    color:rgb(91, 64, 112)  
}
```

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(91, 64, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 64, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 31.973, 313.102 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(91, 64, 112) }
```

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

```
.border{ border-color:rgb(91, 64, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 64, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 64, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 64, 112);  
box-shadow:4px 4px 4px 4px rgb(91, 64,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 31.973, 313.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 64, 112) }
```

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

```
.background{ background-color: rgb(91, 64,  
112) }
```

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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