

Converting Colors

CIELCh(64, 32.391, 293.298)

Have a look what the booklet for
CIELCh(64, 32.391, 293.298)
contains.

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Color

CIELCh(64, 32.385, 293.543)

Conversions

Conversions Part 1

Format	Color
Hex	9696D0
RGB	150, 150, 208
RGB Percent	59%, 59%, 82%
CMY	0.4122, 0.4122, 0.1847
CMYK	0.28, 0.28, 0.00, 0.18
HSL	240°, 38%, 70%
HSV	240°, 28%, 82%
XYZ	34.8190, 32.8017, 64.0988
YIQ	156.6120, -18.6180, 18.0380

Conversions

Conversions Part 2

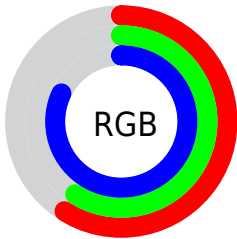
Format	Color
RYB	150, 150, 208
Decimal	9869008
CIELab	64.00, 12.94, -29.69
CIELCh	64, 32.385, 293.543
Yxy	32.8017, 0.2643, 0.2490
Android (android.graphics.Color)	4288059088 (0xFF9696D0)
YUV	156.6120, 25.3343, -5.7987
Hunter-Lab	57.2727, 8.2918, -26.2656

Details

The CIELCh color `64, 32.385, 293.543` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `82, 30.289, 107.483`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 26.973, 293.155`, and `44, 32.373, 294.019` is the 20% darker color. If you saturate the color by 10%, you get `57, 44.946, 295.167`, and if you desaturate by 10%, it is `71, 20.345, 292.157`.

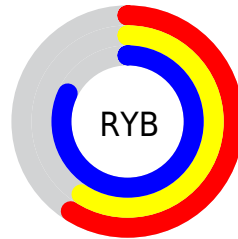
Distribution



Red (59%)

Green (59%)

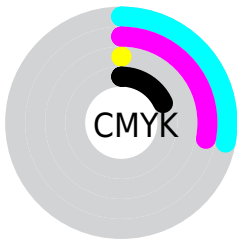
Blue (82%)



Red (59%)

Yellow (59%)

Blue (82%)

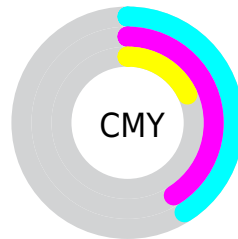


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (18%)



Cyan (41%)


Magenta (41%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 32.385, 293.543 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 64, 32.385, 293.543 by changing the saturation by 10% instead.


 64, 32.385,
293.543


 64, 32.385,
293.543


 100, 32.385,
293.543


 54, 32.385,
293.543


 84, 32.385,
293.543

 44, 32.385,
293.543

 94, 32.385,
293.543

 34, 32.385,
293.543

 24, 32.385,
293.543

 14, 32.385,
293.543

 4, 32.385, 293.543

 0, 32.385, 293.543

■ 64, 32.385,
293.543

■ 64, 32.385,
293.543

■ 57, 44.946,
295.167

■ 71, 20.345,
292.157

■ 50, 58.026,
297.041

■ 78, 8.801, 290.984

■ 85, 2.286, 109.950

■ 44, 71.513,
299.138

■ 92, 12.950,
109.128

■ 37, 85.030,
301.353

■ 99, 23.224,
108.409

■ 32, 97.661,
303.466

■ 99, 23.787,
108.374

■ 28, 107.758,
305.148

■ 26, 113.703,
306.123

■ 25, 114.713,

Harmonies

Complementary

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



64, 32.385, 293.543



82, 30.289, 107.483

Rectangle

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



64, 32.385, 293.543



64, 32.385, 343.543



64, 32.385, 113.543



64, 32.385, 163.543

Sweetspot

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



64, 32.384, 293.543



93, 10.527, 291.005



80, 19.481, 196.485



49, 7.503, 291.171



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 32.384, 293.543



73, 45.748, 294.404



66, 33.695, 309.858



40, 6.372, 291.149



19, 98.025, 306.286



1, 25.554, 293.214

Inverse Universe

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



68, 23.450, 21.651



78, 33.409, 22.333



80, 32.367, 127.180



41, 4.460, 19.923



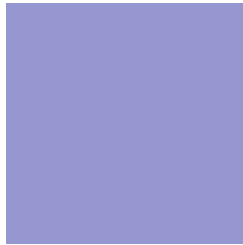
35, 76.453, 39.861



4, 20.018, 19.464

Previews

White Background



This preview shows how the CIELCh color 64, 32.385, 293.543 looks on a white background.

Color Contrast Check

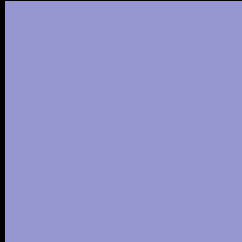
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 32.385, 293.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

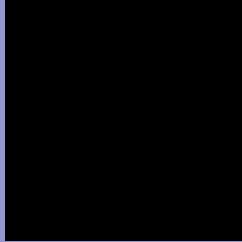
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 32.385, 293.543

Background



This preview shows how black text looks on a background with the CIELCh color 64, 32.385, 293.543.



This preview shows how white text looks on a background with the CIELCh color 64, 32.385, 293.543.

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

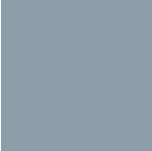
64, 32.385, 293.543

Protanopia

64, 31.971, 284.951

Deuteranopia

64, 30.231, 285.986



Tritanopia
64, 8.927, 253.654

Trichromacy



Original Color
64, 32.385, 293.543

Protanomaly
64, 31.858, 287.729

Deuteranomaly
64, 30.714, 288.548

Tritanomaly
64, 16.950, 281.316

Monochromacy



Original Color
64, 32.385, 293.543

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 12.272, 291.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 32.385, 293.543 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(150, 150, 208)` looks like.

```
.text, #text, p{  
    color:rgb(150, 150, 208)  
}
```

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(150, 150, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 150, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 32.385, 293.543 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(150, 150, 208) }
```

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

```
.border{ border-color:rgb(150, 150, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 150, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 150, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 150, 208);  
box-shadow:4px 4px 4px 4px rgb(150, 150,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 32.385, 293.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 150, 208) }
```

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

```
.background{ background-color: rgb(150,  
150, 208) }
```

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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