

Converting Colors

CIELCh(64, 34.778, 273.833)

Have a look what the booklet for
CIELCh(64, 34.778, 273.833)
contains.

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Color

CIELCh(64, 34.875, 273.855)

Conversions

Conversions Part 1

Format	Color
Hex	759DD9
RGB	117, 157, 217
RGB Percent	46%, 62%, 85%
CMY	0.5421, 0.3852, 0.1500
CMYK	0.46, 0.28, 0.00, 0.15
HSL	216°, 57%, 65%
HSV	216°, 46%, 85%
XYZ	31.8173, 32.8017, 70.1377
YIQ	151.8800, -43.1000, 10.1800

Conversions

Conversions Part 2

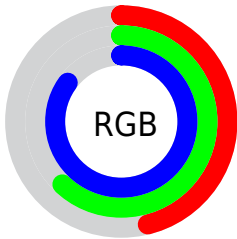
Format	Color
RYB	117, 146, 217
Decimal	7708121
CIELab	64.00, 2.34, -34.80
CIELCh	64, 34.875, 273.855
Yxy	32.8017, 0.2361, 0.2434
Android (android.graphics.Color)	4285898201 (0xFF759DD9)
YUV	151.8800, 32.1042, -30.5898
Hunter-Lab	57.2727, -1.0634, -32.5172

Details

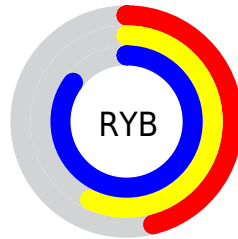
The CIELCh color `64, 34.875, 273.855` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `74, 36.728, 79.231`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 25.667, 264.565`, and `44, 34.951, 274.036` is the 20% darker color. If you saturate the color by 10%, you get `59, 42.577, 276.643`, and if you desaturate by 10%, it is `69, 27.235, 271.465`.

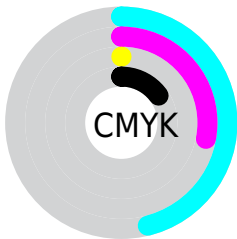
Distribution



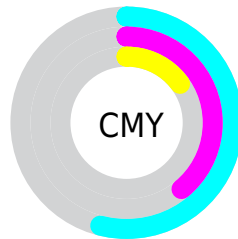
- Red (46%)
- Green (62%)
- Blue (85%)



- Red (46%)
- Yellow (57%)
- Blue (85%)



- Cyan (46%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)





- Cyan (54%)
- Magenta (39%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 34.875, 273.855 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, 34.875, 273.855 by changing the saturation by 10% instead.

 64, 34.875,
273.855

 64, 34.875,
273.855


 100, 34.875,
273.855


 54, 34.875,
273.855


 84, 34.875,
273.855

 44, 34.875,
273.855

 94, 34.875,
273.855

 34, 34.875,
273.855

 24, 34.875,
273.855

 14, 34.875,
273.855

 4, 34.875, 273.855

 0, 34.875, 273.855

■ 64, 34.875,
273.855

■ 64, 34.875,
273.855

■ 59, 42.577,
276.643

■ 69, 27.235,
271.465

■ 55, 50.383,
279.851

■ 74, 19.642,
269.432

■ 50, 58.347,
283.454

■ 79, 12.090,
267.708

■ 46, 66.515,
287.357

■ 84, 4.584, 266.271

■ 89, 2.867, 84.829

■ 42, 74.879,
291.376

■ 93, 10.253, 83.815

■ 41, 78.159,
292.846

■ 97, 15.991, 99.373

■ 99, 19.330,
108.715

Harmonies

Complementary

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



64, 34.875, 273.855



74, 36.728, 79.231

Rectangle

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



64, 34.875, 273.855



64, 34.875, 323.855



64, 34.875, 93.855



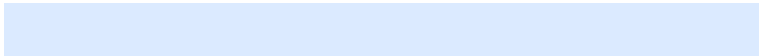
64, 34.875, 143.855

Sweetspot

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



64, 34.874, 273.855



92, 11.965, 267.397



80, 40.622, 163.494



48, 8.265, 267.736



0, 0.000, 0.000



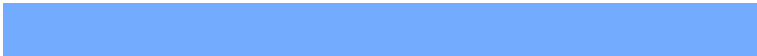
53, 0.007, 296.813

Same Dimension

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



64, 34.874, 273.855



69, 47.586, 276.457



54, 57.613, 298.967



43, 4.287, 266.711



33, 65.109, 292.213



6, 20.907, 281.777

Inverse Universe

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



61, 43.789, 354.873



67, 58.950, 356.611



84, 50.976, 109.637



43, 5.290, 350.212



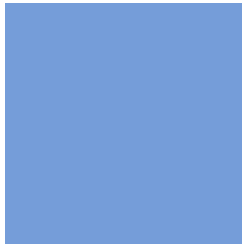
37, 63.483, 11.389



6, 24.296, 1.195

Previews

White Background



This preview shows how the CIE LCh color 64, 34.875, 273.855 looks on a white background.

Color Contrast Check

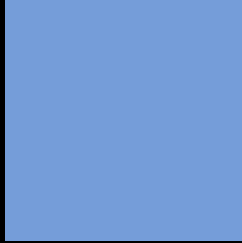
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 34.875, 273.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

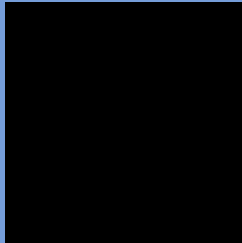
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

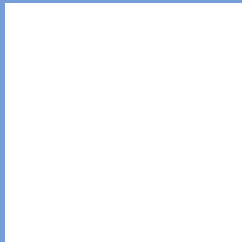
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 34.875, 273.855

Background



This preview shows how black text looks on a background with the CIELCh color 64, 34.875, 273.855.

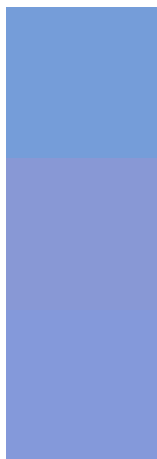


This preview shows how white text looks on a background with the CIELCh color 64, 34.875, 273.855.

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, 34.875, 273.855

Protanopia

64, 34.224, 285.348

Deuteranopia

64, 36.543, 283.868



Tritanopia
64, 20.267, 219.058

Trichromacy



Original Color
64, 34.875, 273.855

Protanomaly
64, 34.005, 280.647

Deuteranomaly
64, 36.293, 280.497

Tritanomaly
64, 22.837, 245.998

Monochromacy



Original Color
64, 34.875, 273.855

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 13.242, 267.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 34.875, 273.855 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(117, 157, 217)` looks like.

```
.text, #text, p{  
    color:rgb(117, 157, 217)  
}
```

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(117, 157, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 157, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 34.875, 273.855 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(117, 157, 217) }
```

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

```
.border{ border-color:rgb(117, 157, 217) }
```

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

Here you see how a box with a 4 pixel rgb(117, 157, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 157, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 157, 217);  
box-shadow:4px 4px 4px 4px rgb(117, 157,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 34.875, 273.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 157, 217) }
```

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

```
.background{ background-color: rgb(117,  
157, 217) }
```

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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