

Converting Colors

CIELCh(64, 17.307, 259.918)

Have a look what the booklet for
CIELCh(64, 17.307, 259.918)
contains.

CIELCh(64, 17.307, 259.918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 17.307, 259.918)

Conversions

Conversions Part 1

Format	Color
Hex	839EB9
RGB	131, 158, 185
RGB Percent	51%, 62%, 73%
CMY	0.4861, 0.3802, 0.2743
CMYK	0.29, 0.15, 0.00, 0.27
HSL	210°, 28%, 62%
HSV	210°, 29%, 73%
XYZ	30.3624, 32.8017, 50.6547
YIQ	153.0050, -24.7590, 2.6730

Conversions

Conversions Part 2

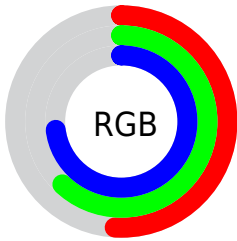
Format	Color
R_{YB}	131, 149, 185
Decimal	8625849
CIE _{Lab}	64.00, -3.03, -17.04
CIE _{LCh}	64, 17.307, 259.918
Yxy	32.8017, 0.2668, 0.2882
Android (android.graphics.Color)	4286815929 (0xFF839EB9)
YUV	153.0050, 15.7735, -19.2984
Hunter-Lab	57.2727, -5.5978, -12.3479

Details

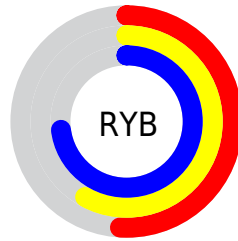
The CIELCh color `64, 17.307, 259.918` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `67, 18.740, 71.824`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 17.142, 258.888`, and `44, 17.254, 259.655` is the 20% darker color. If you saturate the color by 10%, you get `60, 23.064, 262.039`, and if you desaturate by 10%, it is `68, 11.448, 258.135`.

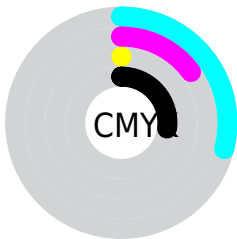
Distribution



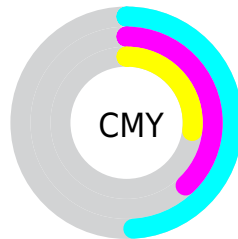
- Red (51%)
- Green (62%)
- Blue (73%)



- Red (51%)
- Yellow (58%)
- Blue (73%)



- Cyan (29%)
- Magenta (15%)
- Yellow (0%)
- Black (27%)





- Cyan (49%)
- Magenta (38%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 17.307, 259.918 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, 17.307, 259.918 by changing the saturation by 10% instead.


 64, 17.307,
259.918

 64, 17.307,
259.918


 100, 17.307,
259.918


 54, 17.307,
259.918


 84, 17.307,
259.918

 44, 17.307,
259.918

 94, 17.307,
259.918

 34, 17.307,
259.918

 24, 17.307,
259.918

 14, 17.307,
259.918

 4, 17.307, 259.918

 0, 17.307, 259.918

■ 64, 17.307,
259.918

■ 64, 17.307,
259.918

■ 60, 23.064,
262.039

■ 68, 11.448,
258.135

■ 57, 28.709,
264.564

■ 72, 5.509, 256.658

■ 75, 0.485, 74.601

■ 53, 34.244,
267.543

■ 79, 6.512, 74.176

■ 50, 39.698,
271.009

■ 83, 12.552, 73.269

■ 46, 45.130,
274.950

■ 87, 18.587, 72.471

■ 91, 23.303, 76.045

■ 43, 50.625,
279.279

■ 93, 25.763, 88.009

■ 40, 56.287,
283.732

■ 95, 29.132, 97.445

■ 40, 56.763,

Harmonies

Complementary

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



64, 17.307, 259.918



67, 18.740, 71.824

Rectangle

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



64, 17.307, 259.918



64, 17.307, 309.918



64, 17.307, 79.918



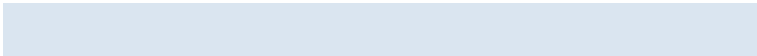
64, 17.307, 129.918

Sweetspot

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



64, 17.306, 259.915



90, 6.664, 256.654



71, 25.100, 160.125



47, 4.624, 256.848



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



64, 17.306, 259.915



78, 25.495, 261.229



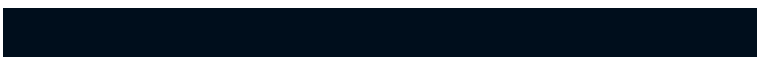
57, 30.339, 293.074



37, 3.377, 256.678



34, 49.272, 283.418



4, 10.213, 267.355

Inverse Universe

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



61, 25.674, 346.322



74, 38.039, 347.046



74, 28.358, 106.673



36, 4.869, 344.375



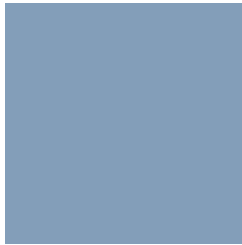
33, 58.650, 1.378



3, 12.208, 350.789

Previews

White Background



This preview shows how the CIELCh color 64, 17.307, 259.918 looks on a white background.

Color Contrast Check

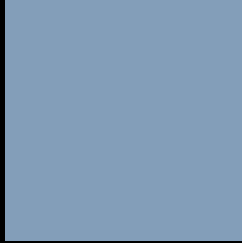
Large Text (above 18pt) WCAG AA × Fail

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, 17.307, 259.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

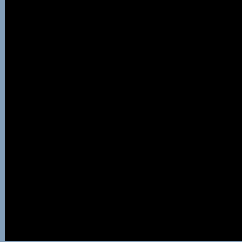
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

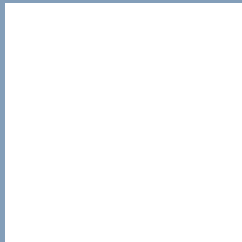
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 17.307, 259.918

Background



This preview shows how black text looks on a background with the CIELCh color 64, 17.307, 259.918.



This preview shows how white text looks on a background with the CIELCh color 64, 17.307, 259.918.

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, 17.307, 259.918

Protanopia

64, 16.224, 286.923

Deuteranopia

64, 19.616, 295.323



Tritanopia
64, 13.082, 232.459

Trichromacy



Original Color
64, 17.307, 259.918

Protanomaly
64, 16.132, 275.594

Deuteranomaly
64, 17.995, 283.213

Tritanomaly
64, 14.153, 244.228

Monochromacy



Original Color
64, 17.307, 259.918

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 6.614, 257.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 17.307, 259.918 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(131, 158, 185)` looks like.

```
.text, #text, p{  
    color:rgb(131, 158, 185)  
}
```

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(131, 158, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 158, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 17.307, 259.918 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(131, 158, 185) }
```

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

```
.border{ border-color:rgb(131, 158, 185) }
```

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

Here you see how a box with a 4 pixel rgb(131, 158, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 158, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 158, 185);  
box-shadow:4px 4px 4px 4px rgb(131, 158,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 17.307, 259.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 158, 185) }
```

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

```
.background{ background-color: rgb(131,  
158, 185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor