

Converting Colors

CIELCh(64, 17.801, 257.662)

Have a look what the booklet for
CIELCh(64, 17.801, 257.662)
contains.

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Color

CIELCh(64, 18.073, 259.225)

Conversions

Conversions Part 1

Format	Color
Hex	819EBA
RGB	129, 158, 186
RGB Percent	51%, 62%, 73%
CMY	0.4930, 0.3792, 0.2694
CMYK	0.31, 0.15, 0.00, 0.27
HSL	209°, 29%, 62%
HSV	209°, 31%, 73%
XYZ	30.2695, 32.8017, 51.3587
YIQ	152.5210, -26.2720, 2.5600

Conversions

Conversions Part 2

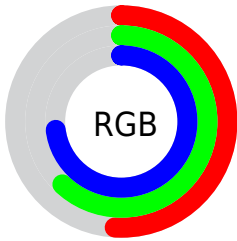
Format	Color
R _Y B	129, 148, 186
Decimal	8494778
CIE Lab	64.00, -3.38, -17.75
CIE LCh	64, 18.073, 259.225
Yxy	32.8017, 0.2645, 0.2867
Android (android.graphics.Color)	4286684858 (0xFF819EBA)
YUV	152.5210, 16.5051, -20.6279
Hunter-Lab	57.2727, -5.8874, -13.0767

Details

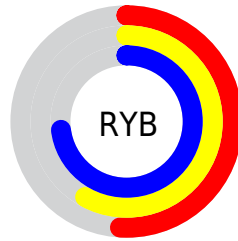
The CIELCh color $64, 18.073, 259.225$ is a light color, and the websafe version is hex `6699CC`. A complement of this color would be $67, 19.747, 70.737$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 17.891, 258.151$, and $44, 18.035, 259.162$ is the 20% darker color. If you saturate the color by 10%, you get $60, 23.772, 261.396$, and if you desaturate by 10%, it is $68, 12.256, 257.403$.

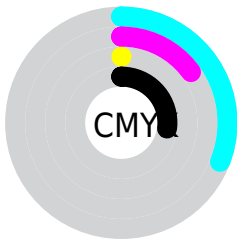
Distribution



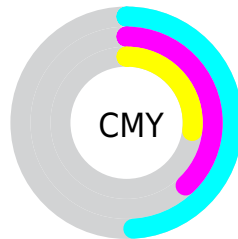
- Red (51%)
- Green (62%)
- Blue (73%)



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



- Cyan (31%)
- Magenta (15%)
- Yellow (0%)
- Black (27%)



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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 18.073, 259.225 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, 18.073, 259.225 by changing the saturation by 10% instead.

 64, 18.073,
259.225

 64, 18.073,
259.225


 100, 18.073,
259.225


 54, 18.073,
259.225


 84, 18.073,
259.225

 44, 18.073,
259.225

 94, 18.073,
259.225

 34, 18.073,
259.225

 24, 18.073,
259.225

 14, 18.073,
259.225

 4, 18.073, 259.225

 0, 18.073, 259.225

■ 64, 18.073,
259.225

■ 64, 18.073,
259.225

■ 60, 23.772,
261.396

■ 68, 12.256,
257.403

■ 57, 29.343,
263.982

■ 72, 6.346, 255.892

■ 75, 0.367, 255.505

■ 53, 34.790,
267.035

■ 79, 5.656, 73.370

■ 50, 40.144,
270.585

■ 83, 11.701, 72.459

■ 47, 45.470,
274.613

■ 87, 17.749, 71.655

■ 90, 22.659, 74.609

■ 43, 50.859,
279.022

■ 93, 24.984, 86.935

■ 41, 56.087,
283.228

■ 95, 28.251, 96.687

Harmonies

Complementary

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



64, 18.073, 259.225



67, 19.747, 70.737

Rectangle

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



64, 18.073, 259.225



64, 18.073, 309.225



64, 18.073, 79.225



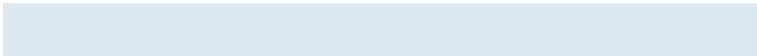
64, 18.073, 129.225

Sweetspot

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



64, 18.072, 259.222



91, 6.675, 255.698



71, 26.436, 159.971



48, 4.672, 255.893



98, 0.011, 296.813



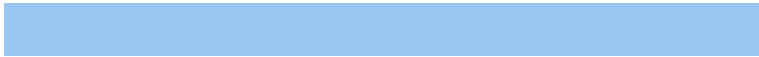
51, 0.007, 296.813

Same Dimension

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



64, 18.072, 259.222



78, 26.889, 260.705



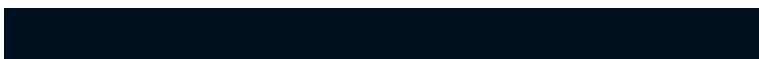
56, 32.084, 293.296



38, 3.431, 255.726



35, 49.071, 282.608



4, 11.453, 267.710

Inverse Universe

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



61, 27.225, 345.984



73, 40.751, 346.787



74, 29.872, 106.534



37, 5.009, 343.906



34, 59.445, 0.628



3, 14.018, 351.095

Previews

White Background



This preview shows how the CIELCh color 64, 18.073, 259.225 looks on a white background.

Color Contrast Check

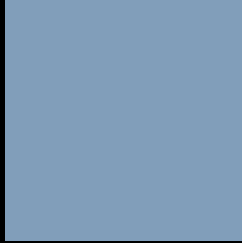
Large Text (above 18pt) WCAG AA × Fail

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, 18.073, 259.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

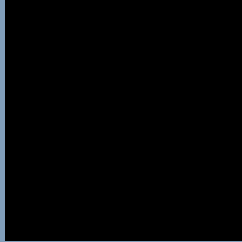
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

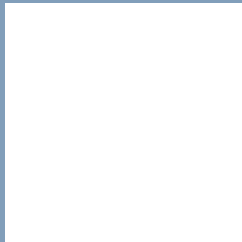
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 18.073, 259.225

Background



This preview shows how black text looks on a background with the CIELCh color 64, 18.073, 259.225.



This preview shows how white text looks on a background with the CIELCh color 64, 18.073, 259.225.

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, 18.073, 259.225

Protanopia
64, 16.778, 287.159

Deuteranopia
64, 20.709, 294.292



Tritanopia
64, 13.653, 228.021

Trichromacy



Original Color
64, 18.073, 259.225

Protanomaly
64, 16.663, 276.230

Deuteranomaly
64, 18.639, 281.492

Tritanomaly
64, 14.830, 241.531

Monochromacy



Original Color
64, 18.073, 259.225

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 6.813, 254.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 18.073, 259.225 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(129, 158, 186)` looks like.

```
.text, #text, p{  
    color:rgb(129, 158, 186)  
}
```

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(129, 158, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 158, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 18.073, 259.225 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(129, 158, 186) }
```

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

```
.border{ border-color:rgb(129, 158, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 158, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 158, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 158, 186); box-shadow:4px 4px 4px 4px rgb(129, 158, 186) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 18.073, 259.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 158, 186) }
```

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

```
.background{ background-color: rgb(129,  
158, 186) }
```

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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