

Converting Colors

CIELCh(64, 23.965, 237.372)

Have a look what the booklet for
CIELCh(64, 23.965, 237.372)
contains.

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Color

CIELCh(64, 23.967, 237.419)

Conversions

Conversions Part 1

Format	Color
Hex	64A3BE
RGB	100, 163, 190
RGB Percent	39%, 64%, 75%
CMY	0.6062, 0.3592, 0.2533
CMYK	0.47, 0.14, 0.00, 0.25
HSL	198°, 41%, 57%
HSV	198°, 47%, 75%
XYZ	27.8058, 32.8017, 53.8125
YIQ	147.2410, -46.2150, -4.9590

Conversions

Conversions Part 2

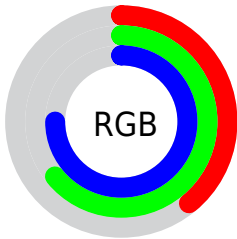
Format	Color
RYB	100, 137, 190
Decimal	6595518
CIELab	64.00, -12.91, -20.20
CIElCh	64, 23.967, 237.419
Yxy	32.8017, 0.2430, 0.2867
Android (android.graphics.Color)	4284785598 (0xFF64A3BE)
YUV	147.2410, 21.0802, -41.4304
Hunter-Lab	57.2727, -13.5660, -15.6169

Details

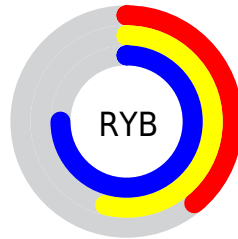
The CIELCh color **64, 23.967, 237.419** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **59, 32.507, 49.150**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 23.950, 236.729**, and **44, 24.103, 238.527** is the 20% darker color. If you saturate the color by 10%, you get **62, 27.864, 239.703**, and if you desaturate by 10%, it is **67, 19.584, 235.599**.

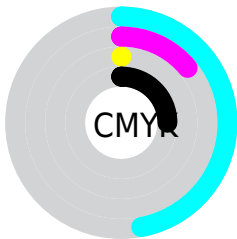
Distribution



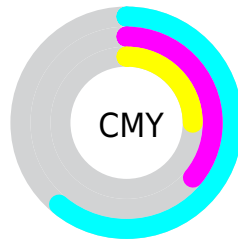
- Red (39%)
- Green (64%)
- Blue (75%)



- Red (39%)
- Yellow (54%)
- Blue (75%)



- Cyan (47%)
- Magenta (14%)
- Yellow (0%)
- Black (25%)



- Cyan (61%)
- Magenta (36%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 23.967, 237.419 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, 23.967, 237.419 by changing the saturation by 10% instead.

■ 64, 23.967,
237.419

■ 64, 23.967,
237.419

■ 100, 23.967,
237.419

■ 54, 23.967,
237.419

■ 84, 23.967,
237.419

■ 44, 23.967,
237.419

■ 94, 23.967,
237.419

■ 34, 23.967,
237.419

■ 24, 23.967,
237.419

■ 14, 23.967,
237.419

■ 4, 23.967, 237.419

■ 0, 23.967, 237.419

64, 23.967,
237.419

64, 23.967,
237.419

62, 27.864,
239.703

67, 19.584,
235.599

59, 31.247,
242.546

69, 14.774,
234.165

57, 34.128,
246.026

72, 9.600, 233.045

75, 4.129, 232.216

55, 36.578,
250.186

78, 1.576, 51.084

53, 38.750,
254.953

81, 7.461, 50.773

52, 39.358,
256.256

84, 13.479, 50.366

87, 19.591, 50.034

89, 20.186, 58.817

Harmonies

Complementary

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



64, 23.967, 237.419



59, 32.507, 49.150

Rectangle

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



64, 23.967, 237.419



64, 23.967, 287.419



64, 23.967, 57.419



64, 23.967, 107.419

Sweetspot

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



64, 23.966, 237.417



92, 9.695, 232.760



70, 47.305, 149.951



49, 6.714, 232.962



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



64, 23.966, 237.417



78, 34.204, 239.870



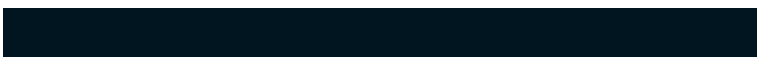
51, 41.977, 288.063



38, 3.183, 232.359



44, 34.075, 255.478



6, 9.675, 245.350

Inverse Universe

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



55, 47.744, 337.910



65, 69.409, 338.933



71, 39.335, 94.820



37, 5.728, 334.890



35, 64.719, 344.634



3, 16.079, 339.806

Previews

White Background



This preview shows how the CIELCh color 64, 23.967, 237.419 looks on a white background.

Color Contrast Check

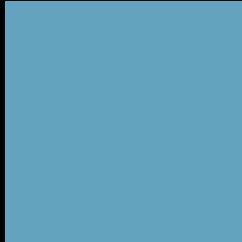
Large Text (above 18pt) WCAG AA × Fail

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, 23.967, 237.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

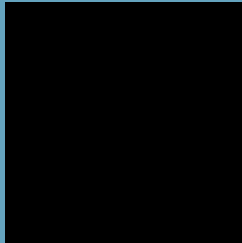
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 23.967, 237.419

Background



This preview shows how black text looks on a background with the CIELCh color 64, 23.967, 237.419.

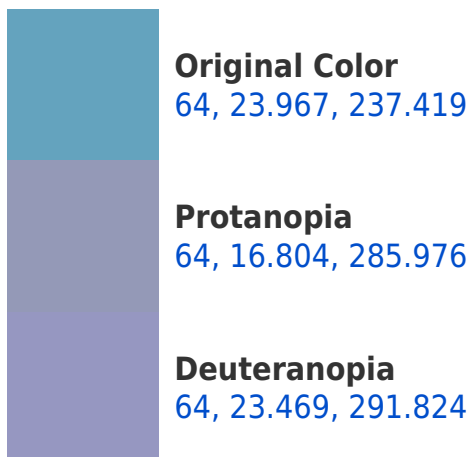



This preview shows how white text looks on a background with the CIELCh color 64, 23.967, 237.419.

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





Tritanopia
64, 22.588, 218.154

Trichromacy



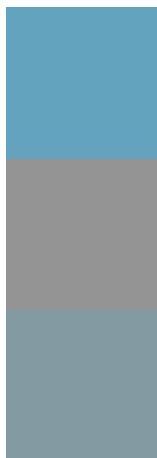
Original Color
64, 23.967, 237.419

Protanomaly
64, 18.105, 262.944

Deuteranomaly
64, 21.317, 270.394

Tritanomaly
64, 22.805, 225.838

Monochromacy



Original Color
64, 23.967, 237.419

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 9.574, 230.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 23.967, 237.419 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(100, 163, 190)` looks like.

```
.text, #text, p{  
    color:rgb(100, 163, 190)  
}
```

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(100, 163, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 163, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 23.967, 237.419 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(100, 163, 190) }
```

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

```
.border{ border-color:rgb(100, 163, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 163, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 163, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 163, 190);  
box-shadow:4px 4px 4px 4px rgb(100, 163,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 23.967, 237.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 163, 190) }
```

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

```
.background{ background-color: rgb(100,  
163, 190) }
```

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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