

Converting Colors

CIELCh(68, 19.416, 239.333)

Have a look what the booklet for
CIELCh(68, 19.416, 239.333)
contains.

CIELCh(68, 19.456, 239.405)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 19.456, 239.405)

Conversions

Conversions Part 1

Format	Color
Hex	7DACC3
RGB	125, 172, 195
RGB Percent	49%, 67%, 76%
CMY	0.5085, 0.3242, 0.2340
CMYK	0.36, 0.12, 0.00, 0.23
HSL	200°, 37%, 63%
HSV	200°, 36%, 77%
XYZ	33.2103, 37.9720, 57.4107
YIQ	160.5690, -35.3950, -2.8110

Conversions

Conversions Part 2

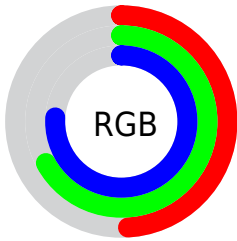
Format	Color
R _{YB}	125, 153, 195
Decimal	8236227
CIE Lab	68.00, -9.90, -16.75
CIE LCh	68, 19.456, 239.405
Yxy	37.9720, 0.2583, 0.2953
Android (android.graphics.Color)	4286426307 (0xFF7DACC3)
YUV	160.5690, 16.9745, -31.1940
Hunter-Lab	61.6215, -11.6367, -12.1036

Details

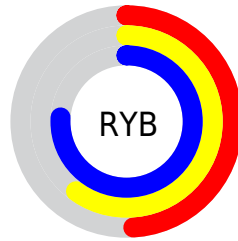
The CIELCh color **68, 19.456, 239.405** is a light color, and the websafe version is hex **669999**. A complement of this color would be **65, 23.924, 52.591**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 19.548, 240.844**, and **48, 19.408, 238.155** is the 20% darker color. If you saturate the color by 10%, you get **65, 24.111, 241.335**, and if you desaturate by 10%, it is **71, 14.411, 237.859**.

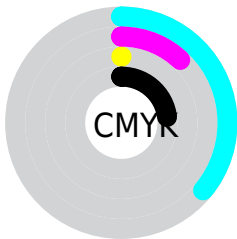
Distribution



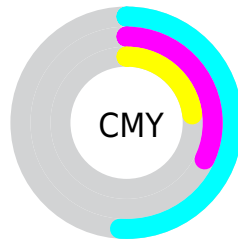
- Red (49%)
- Green (67%)
- Blue (76%)



- Red (49%)
- Yellow (60%)
- Blue (76%)



- Cyan (36%)
- Magenta (12%)
- Yellow (0%)
- Black (23%)





- Cyan (51%)
- Magenta (32%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 19.456, 239.405 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 68, 19.456, 239.405 by changing the saturation by 10% instead.


 68, 19.456,
239.405


 68, 19.456,
239.405


 100, 19.456,
239.405


 58, 19.456,
239.405


 88, 19.456,
239.405

 48, 19.456,
239.405

 98, 19.456,
239.405

 38, 19.456,
239.405

 28, 19.456,
239.405

 18, 19.456,
239.405

 8, 19.456, 239.405

 0, 19.456, 239.405

■ 68, 19.456,
239.405

■ 68, 19.456,
239.405

■ 65, 24.111,
241.335

■ 71, 14.411,
237.859

■ 62, 28.327,
243.741

■ 74, 9.038, 236.639

■ 77, 3.398, 235.735

■ 60, 32.079,
246.707

■ 80, 2.451, 54.601

■ 57, 35.381,
250.305

■ 83, 8.460, 54.100

■ 55, 38.307,
254.568

■ 87, 14.584, 53.607

■ 89, 18.508, 57.791

■ 53, 40.997,
259.434

■ 91, 19.016, 69.837

■ 52, 42.136,
261.478

■ 93, 20.313, 80.747

Harmonies

Complementary

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



68, 19.456, 239.405



65, 23.924, 52.591

Rectangle

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



68, 19.456, 239.405



68, 19.456, 289.405



68, 19.456, 59.405



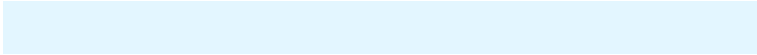
68, 19.456, 109.405

Sweetspot

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



68, 19.455, 239.402



96, 7.867, 236.170



73, 36.560, 151.920



51, 5.271, 236.301



0, 0.000, 0.000



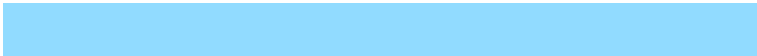
53, 0.007, 296.813

Same Dimension

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



68, 19.455, 239.402



84, 28.284, 240.881



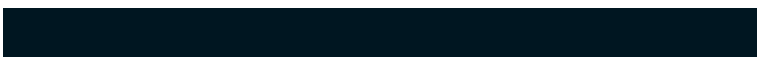
59, 32.562, 286.610



39, 3.256, 236.007



43, 36.150, 260.663



6, 10.785, 249.669

Inverse Universe

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



61, 36.744, 338.201



74, 54.336, 338.914



74, 31.016, 97.259



38, 5.737, 336.084



35, 64.336, 346.782



3, 17.823, 341.936

Previews

White Background



This preview shows how the CIELCh color 68, 19.456, 239.405 looks on a white background.

Color Contrast Check

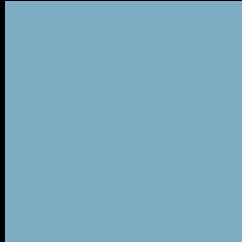
Large Text (above 18pt) WCAG AA × Fail

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 68, 19.456, 239.405 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 68, 19.456, 239.405

Background



This preview shows how black text looks on a background with the CIELCh color 68, 19.456, 239.405.



This preview shows how white text looks on a background with the CIELCh color 68, 19.456, 239.405.

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

68, 19.456, 239.405

Protanopia

68, 14.355, 287.405

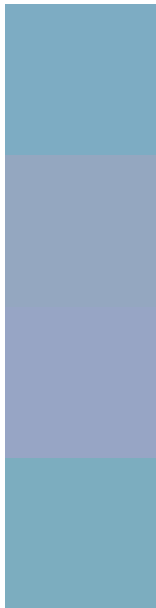
Deuteranopia

68, 20.515, 296.120



Tritanopia
68, 18.287, 223.308

Trichromacy



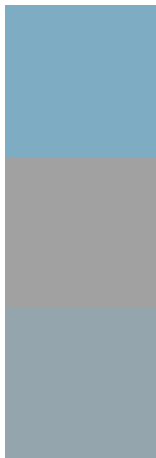
Original Color
68, 19.456, 239.405

Protanomaly
68, 15.060, 265.845

Deuteranomaly
68, 18.141, 276.718

Tritanomaly
68, 18.575, 230.809

Monochromacy



Original Color
68, 19.456, 239.405

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 7.486, 235.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 19.456, 239.405 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(125, 172, 195)` looks like.

```
.text, #text, p{  
    color:rgb(125, 172, 195)  
}
```

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(125, 172, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 172, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 19.456, 239.405 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(125, 172, 195) }
```

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

```
.border{ border-color:rgb(125, 172, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 172, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 172, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 172, 195);  
box-shadow:4px 4px 4px 4px rgb(125, 172,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 19.456, 239.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 172, 195) }
```

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

```
.background{ background-color: rgb(125,  
172, 195) }
```

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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