

Converting Colors

CIELCh(66, 23.681, 239.629)

Have a look what the booklet for
CIELCh(66, 23.681, 239.629)
contains.

CIELCh(66, 23.652, 239.617)	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(66, 23.652, 239.617)

Conversions

Conversions Part 1

Format	Color
Hex	6CA8C4
RGB	108, 168, 196
RGB Percent	42%, 66%, 77%
CMY	0.5753, 0.3400, 0.2301
CMYK	0.45, 0.14, 0.00, 0.23
HSL	199°, 43%, 60%
HSV	199°, 45%, 77%
XYZ	30.2793, 35.3238, 57.6327
YIQ	153.2520, -44.7480, -4.0120

Conversions

Conversions Part 2

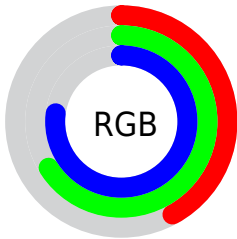
Format	Color
R _{YB}	108, 144, 196
Decimal	7121092
CIE _{Lab}	66.00, -11.96, -20.40
CIE _{LCh}	66, 23.652, 239.617
Yxy	35.3238, 0.2457, 0.2866
Android (android.graphics.Color)	4285311172 (0xFF6CA8C4)
YUV	153.2520, 21.0748, -39.6860
Hunter-Lab	59.4338, -13.0702, -15.8895

Details

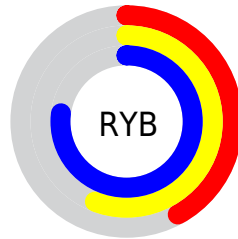
The CIELCh color **66, 23.652, 239.617** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **62, 31.153, 51.056**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 23.842, 240.113**, and **46, 23.638, 239.155** is the 20% darker color. If you saturate the color by 10%, you get **63, 27.867, 241.908**, and if you desaturate by 10%, it is **69, 18.980, 237.782**.

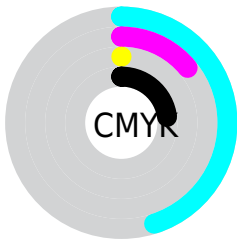
Distribution



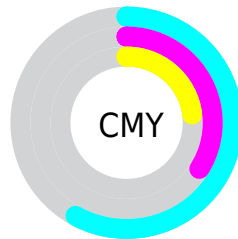
- Red (42%)
- Green (66%)
- Blue (77%)



- Red (42%)
- Yellow (56%)
- Blue (77%)



- Cyan (45%)
- Magenta (14%)
- Yellow (0%)
- Black (23%)





- Cyan (58%)
- Magenta (34%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 23.652, 239.617 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 66, 23.652, 239.617 by changing the saturation by 10% instead.


 66, 23.652,
239.617


 66, 23.652,
239.617


 100, 23.652,
239.617


 56, 23.652,
239.617


 86, 23.652,
239.617

 46, 23.652,
239.617

 96, 23.652,
239.617

 36, 23.652,
239.617

 26, 23.652,
239.617

 16, 23.652,
239.617

 6, 23.652, 239.617

 0, 23.652, 239.617

66, 23.652,
239.617

66, 23.652,
239.617

63, 27.867,
241.908

69, 18.980,
237.782

61, 31.596,
244.749

72, 13.910,
236.327

58, 34.844,
248.218

75, 8.503, 235.184

56, 37.675,
252.359

78, 2.825, 234.372

81, 3.066, 53.301

54, 40.222,
257.135

84, 9.119, 52.816

53, 41.539,
259.681

87, 15.290, 52.365

90, 18.190, 58.611

91, 18.738, 70.502

Harmonies

Complementary

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



66, 23.652, 239.617



62, 31.153, 51.056

Rectangle

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



66, 23.652, 239.617



66, 23.652, 289.617



66, 23.652, 59.617



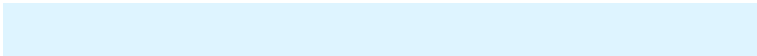
66, 23.652, 109.617

Sweetspot

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



66, 23.651, 239.615



95, 9.251, 235.025



73, 45.529, 150.882



50, 6.442, 235.246



0, 0.000, 0.000



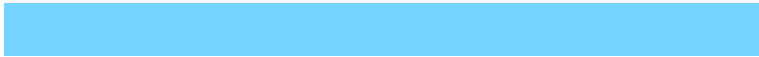
53, 0.007, 296.813

Same Dimension

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



66, 23.651, 239.615



81, 33.938, 241.912



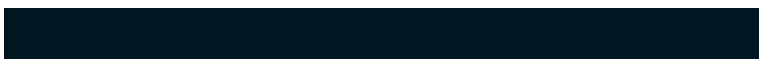
54, 41.519, 288.439



39, 3.254, 234.683



44, 35.519, 258.850



6, 10.701, 248.090

Inverse Universe

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



57, 46.045, 338.536



69, 67.200, 339.519



73, 38.845, 96.180



38, 5.780, 335.645



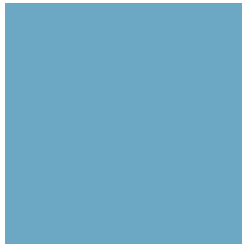
35, 64.736, 346.000



3, 17.977, 341.316

Previews

White Background



This preview shows how the CIELCh color 66, 23.652, 239.617 looks on a white background.

Color Contrast Check

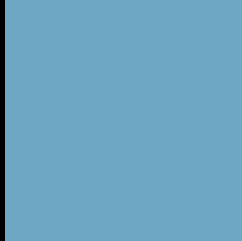
Large Text (above 18pt) WCAG AA × Fail

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 66, 23.652, 239.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

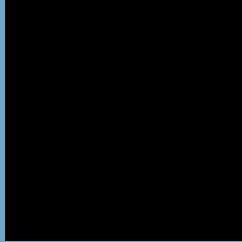
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 23.652, 239.617

Background



This preview shows how black text looks on a background with the CIELCh color 66, 23.652, 239.617.

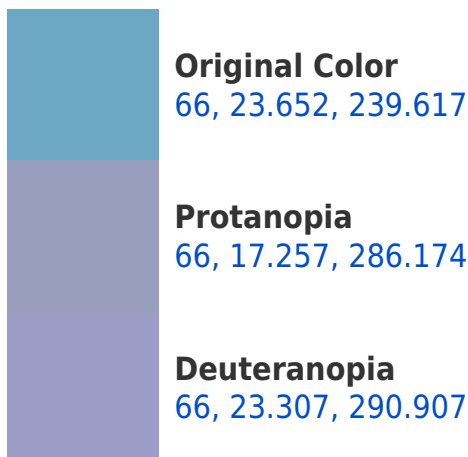


This preview shows how white text looks on a background with the CIELCh color 66, 23.652, 239.617.

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
66, 21.873, 218.805

Trichromacy



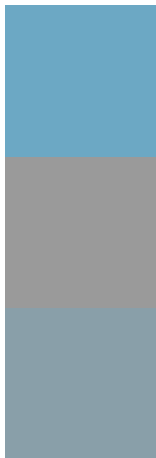
Original Color
66, 23.652, 239.617

Protanomaly
66, 18.358, 264.655

Deuteranomaly
66, 21.615, 271.692

Tritanomaly
66, 22.130, 226.656

Monochromacy



Original Color
66, 23.652, 239.617

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 9.524, 234.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 23.652, 239.617 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(108, 168, 196)` looks like.

```
.text, #text, p{  
    color:rgb(108, 168, 196)  
}
```

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(108, 168, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 168, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 23.652, 239.617 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(108, 168, 196) }
```

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

```
.border{ border-color:rgb(108, 168, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 168, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 168, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 168, 196);  
box-shadow:4px 4px 4px 4px rgb(108, 168,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 23.652, 239.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 168, 196) }
```

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

```
.background{ background-color: rgb(108,  
168, 196) }
```

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