

# Converting Colors

CIELCh(66, 10.716, 242.369)

Have a look what the booklet for  
CIELCh(66, 10.716, 242.369)  
contains.

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# **Color**

**CIELCh(66, 10.698, 241.415)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8DA4B1
RGB	141, 164, 177
RGB Percent	55%, 64%, 69%
CMY	0.4476, 0.3574, 0.3064
CMYK	0.20, 0.07, 0.00, 0.31
HSL	202°, 19%, 62%
HSV	202°, 20%, 69%
XYZ	32.1366, 35.3238, 46.6491
YIQ	158.6050, -17.8810, -0.8330

# Conversions

## Conversions Part 2

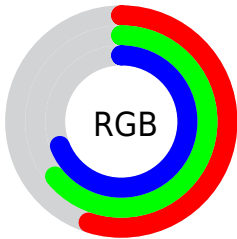
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 155, 177
Decimal	9282737
CIE <sub>Lab</sub>	66.00, -5.12, -9.39
CIE <sub>LCh</sub>	66, 10.698, 241.415
Yxy	35.3238, 0.2816, 0.3096
Android (android.graphics.Color)	4287472817 (0xFF8DA4B1)
YUV	158.6050, 9.0687, -15.4396
Hunter-Lab	59.4338, -7.4921, -4.9325

# Details

The CIELCh color  $66, 10.698, 241.415$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $65, 11.811, 57.335$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 10.828, 241.881$ , and  $46, 10.612, 241.214$  is the 20% darker color. If you saturate the color by 10%, you get  $63, 15.619, 242.893$ , and if you desaturate by 10%, it is  $69, 5.540, 240.228$ .

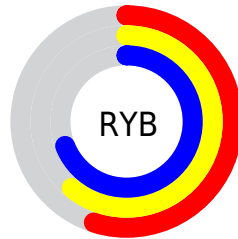
# Distribution



Red (55%)

Green (64%)

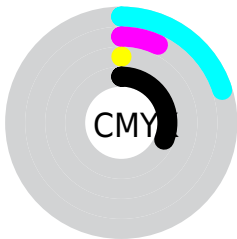
Blue (69%)



Red (55%)

Yellow (61%)

Blue (69%)

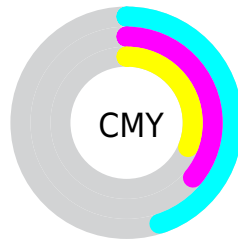


Cyan (20%)

Magenta (7%)

Yellow (0%)

Black (31%)



Cyan (45%)

Magenta (36%)


Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 10.698, 241.415 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, 10.698, 241.415 by changing the saturation by 10% instead.





 66, 10.698,  
241.415


 66, 10.698,  
241.415


 100, 10.698,  
241.415


 56, 10.698,  
241.415


 86, 10.698,  
241.415

 46, 10.698,  
241.415

 96, 10.698,  
241.415

 36, 10.698,  
241.415

 26, 10.698,  
241.415

 16, 10.698,  
241.415

 6, 10.698, 241.415

 0, 10.698, 241.415

66, 10.698,  
241.415

66, 10.698,  
241.415

63, 15.619,  
242.893

69, 5.540, 240.228

60, 20.256,  
244.734

72, 0.195, 241.355

75, 5.293, 58.266

57, 24.565,  
247.004

78, 10.888, 57.640

55, 28.516,  
249.782

81, 16.556, 57.100

85, 22.272, 56.645

52, 32.109,  
253.141

87, 24.925, 61.423

50, 35.387,  
257.125

88, 25.512, 70.263

90, 26.682, 78.483

48, 38.446,  
261.710

46, 41.372,

266.428

# Harmonies

# Complementary

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



66, 10.698, 241.415



65, 11.811, 57.335

# Rectangle

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



66, 10.698, 241.415



66, 10.698, 291.415



66, 10.698, 61.415



66, 10.698, 111.415

# Sweetspot

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



66, 10.698, 241.408



89, 3.997, 239.835



69, 18.758, 154.816



47, 2.646, 239.887



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



66, 10.698, 241.408



82, 15.464, 241.972



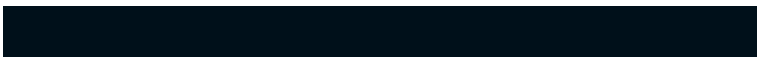
61, 17.283, 285.775



36, 3.059, 240.125



40, 36.891, 265.782



4, 7.861, 252.174



# Inverse Universe

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



63, 18.826, 338.363



77, 27.481, 338.698



70, 16.779, 101.029



35, 5.238, 337.494



33, 60.998, 349.205

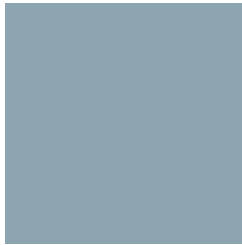


2, 11.629, 342.109



# Previews

## White Background



This preview shows how the CIELCh color 66, 10.698, 241.415 looks on a white background.

## Color Contrast Check

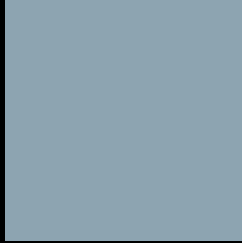
Large Text (above 18pt) WCAG AA × Fail

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 66, 10.698, 241.415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

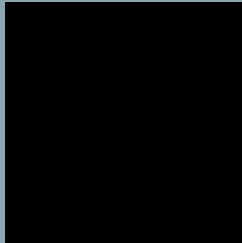
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

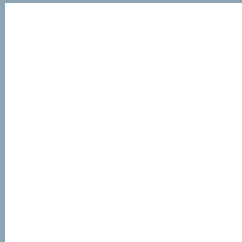
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 66, 10.698, 241.415

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 10.698, 241.415.

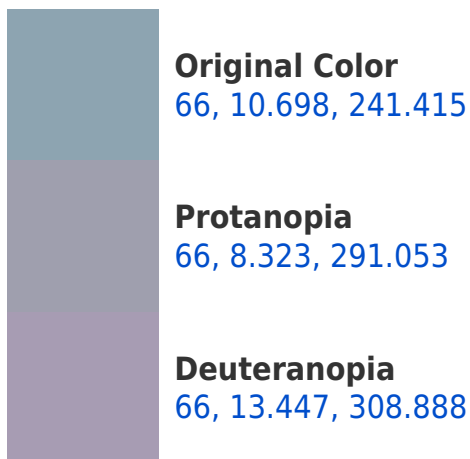


This preview shows how white text looks on a background with the CIELCh color 66, 10.698, 241.415.

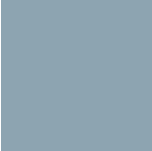
# Color Blindness Simulation

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, 10.698, 241.415

# Trichromacy



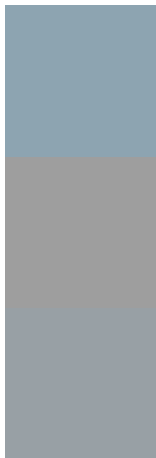
**Original Color**  
66, 10.698, 241.415

**Protanomaly**  
66, 8.346, 268.015

**Deuteranomaly**  
66, 10.552, 287.351

**Tritanomaly**  
66, 10.698, 241.415

# Monochromacy



**Original Color**  
66, 10.698, 241.415

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 4.029, 242.934

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 10.698, 241.415 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(141, 164, 177)` looks like.

```
.text, #text, p{  
    color:rgb(141, 164, 177)  
}
```

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(141, 164, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 164, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 10.698, 241.415 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(141, 164, 177) }
```

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

```
.border{ border-color:rgb(141, 164, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 164, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 164, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 164, 177); box-shadow:4px 4px 4px 4px rgb(141, 164, 177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 10.698, 241.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 164, 177) }
```

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

```
.background{ background-color: rgb(141,  
164, 177) }
```

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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