

Converting Colors

CIELCh(66, 16.186, 241.832)

Have a look what the booklet for
CIELCh(66, 16.186, 241.832)
contains.

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Color

CIELCh(66, 16.023, 239.944)

Conversions

Conversions Part 1

Format	Color
Hex	81A6B9
RGB	129, 166, 185
RGB Percent	51%, 65%, 73%
CMY	0.4951, 0.3500, 0.2755
CMYK	0.30, 0.10, 0.00, 0.28
HSL	200°, 28%, 61%
HSV	200°, 30%, 72%
XYZ	31.3388, 35.3238, 50.9268
YIQ	157.1030, -28.1510, -1.9350

Conversions

Conversions Part 2

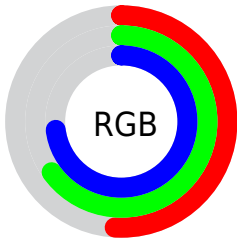
Format	Color
R_{YB}	129, 151, 185
Decimal	8496825
CIE _{Lab}	66.00, -8.03, -13.87
CIE _{LCh}	66, 16.023, 239.944
Yxy	35.3238, 0.2665, 0.3004
Android (android.graphics.Color)	4286686905 (0xFF81A6B9)
YUV	157.1030, 13.7532, -24.6463
Hunter-Lab	59.4338, -9.8880, -9.1999

Details

The CIELCh color `66, 16.023, 239.944` is a light color, and the websafe version is hex `669999`. A complement of this color would be `64, 18.901, 54.105`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 16.042, 239.836`, and `46, 15.974, 240.756` is the 20% darker color. If you saturate the color by 10%, you get `63, 20.730, 241.689`, and if you desaturate by 10%, it is `69, 10.990, 238.541`.

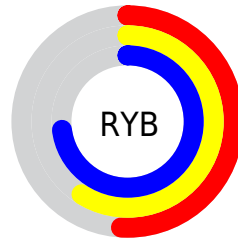
Distribution



Red (51%)

Green (65%)

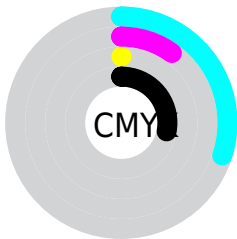
Blue (73%)



Red (51%)

Yellow (59%)

Blue (73%)

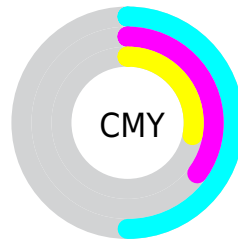


Cyan (30%)

Magenta (10%)

Yellow (0%)

Black (28%)



Cyan (50%)


Magenta (35%)


Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 16.023, 239.944 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, 16.023, 239.944 by changing the saturation by 10% instead.


 66, 16.023,
239.944


 66, 16.023,
239.944


 100, 16.023,
239.944


 56, 16.023,
239.944


 86, 16.023,
239.944

 46, 16.023,
239.944

 96, 16.023,
239.944

 36, 16.023,
239.944

 26, 16.023,
239.944

 16, 16.023,
239.944

 6, 16.023, 239.944

 0, 16.023, 239.944

66, 16.023,
239.944

66, 16.023,
239.944

63, 20.730,
241.689

69, 10.990,
238.541

60, 25.061,
243.864

72, 5.690, 237.445

58, 28.979,
246.549

75, 0.176, 239.043

78, 5.504, 55.626

55, 32.478,
249.823

81, 11.305, 55.067

53, 35.597,
253.741

84, 17.193, 54.590

87, 22.119, 55.929

51, 38.433,
258.295

89, 22.381, 65.887

49, 41.108,
263.066

90, 23.304, 75.299

Harmonies

Complementary

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



66, 16.023, 239.944



64, 18.901, 54.105

Rectangle

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



66, 16.023, 239.944



66, 16.023, 289.944



66, 16.023, 59.944



66, 16.023, 109.944

Sweetspot

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



66, 16.022, 239.940



91, 6.153, 237.339



70, 29.256, 153.177



48, 4.262, 237.472



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 16.022, 239.940



82, 23.125, 240.994



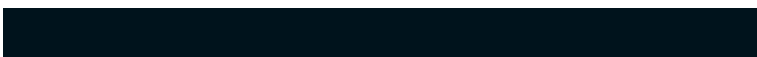
58, 26.594, 286.480



37, 3.118, 237.355



41, 35.912, 262.318



5, 8.888, 250.479

Inverse Universe

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



60, 29.541, 338.198



74, 43.261, 338.746



71, 25.474, 98.932



36, 5.445, 336.535



34, 62.474, 347.529



3, 13.620, 341.529

Previews

White Background



This preview shows how the CIELCh color 66, 16.023, 239.944 looks on a white background.

Color Contrast Check

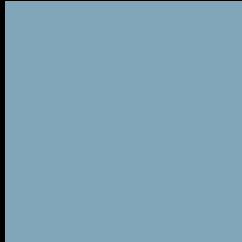
Large Text (above 18pt) WCAG AA × Fail

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, 16.023, 239.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

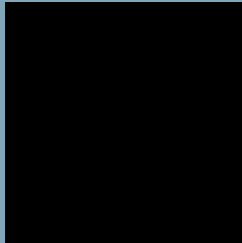
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

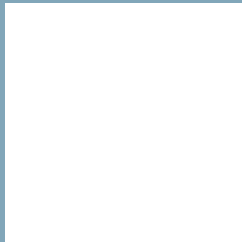
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 16.023, 239.944

Background



This preview shows how black text looks on a background with the CIELCh color 66, 16.023, 239.944.



This preview shows how white text looks on a background with the CIELCh color 66, 16.023, 239.944.

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

66, 16.023, 239.944

Protanopia

66, 11.657, 287.857

Deuteranopia

66, 17.447, 300.160



Tritanopia
66, 14.923, 227.479

Trichromacy



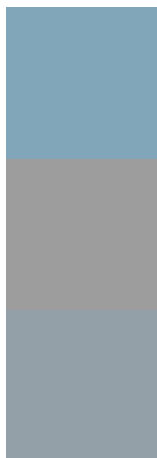
Original Color
66, 16.023, 239.944

Protanomaly
66, 12.516, 268.187

Deuteranomaly
66, 14.676, 279.262

Tritanomaly
66, 15.381, 231.381

Monochromacy



Original Color
66, 16.023, 239.944

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 6.084, 238.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 16.023, 239.944 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, 166, 185)` looks like.

```
.text, #text, p{  
    color:rgb(129, 166, 185)  
}
```

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, 166, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 166, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 16.023, 239.944 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, 166, 185) }
```

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

```
.border{ border-color:rgb(129, 166, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 166, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 166, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 166, 185);  
box-shadow:4px 4px 4px 4px rgb(129, 166,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 16.023, 239.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 166, 185) }
```

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

```
.background{ background-color: rgb(129,  
166, 185) }
```

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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