

Converting Colors

CIELCh(66, 13.971, 224.499)

Have a look what the booklet for
CIELCh(66, 13.971, 224.499)
contains.

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Color

CIELCh(66, 13.971, 224.499)

Conversions

Conversions Part 1

Format	Color
Hex	81A6B1
RGB	129, 166, 177
RGB Percent	51%, 65%, 69%
CMY	0.4924, 0.3473, 0.3041
CMYK	0.27, 0.06, 0.00, 0.30
HSL	194°, 24%, 60%
HSV	194°, 27%, 70%
XYZ	30.8138, 35.3238, 47.0197
YIQ	156.1910, -25.5830, -4.4230

Conversions

Conversions Part 2

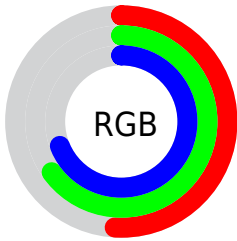
Format	Color
R_{YB}	129, 150, 177
Decimal	8496817
CIE _{Lab}	66.00, -9.96, -9.79
CIE _{LCh}	66, 13.971, 224.499
Yxy	35.3238, 0.2723, 0.3122
Android (android.graphics.Color)	4286686897 (0xFF81A6B1)
YUV	156.1910, 10.2588, -23.8465
Hunter-Lab	59.4338, -11.4649, -5.3023

Details

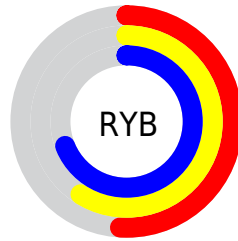
The CIELCh color **66, 13.971, 224.499** is a light color, and the websafe version is hex **669999**. A complement of this color would be **62, 16.681, 42.220**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 14.009, 225.512**, and **46, 13.889, 223.705** is the 20% darker color. If you saturate the color by 10%, you get **64, 18.456, 225.462**, and if you desaturate by 10%, it is **68, 9.078, 223.782**.

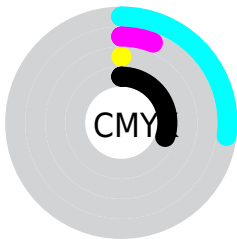
Distribution



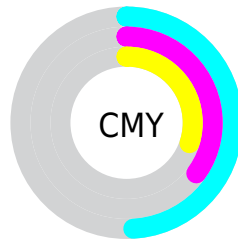
- Red (51%)
- Green (65%)
- Blue (69%)



- Red (51%)
- Yellow (59%)
- Blue (69%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (30%)



- Cyan (49%)
- Magenta (35%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 13.971, 224.499 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, 13.971, 224.499 by changing the saturation by 10% instead.

 66, 13.971,
224.499

 66, 13.971,
224.499

 100, 13.971,
224.499


 56, 13.971,
224.499


 86, 13.971,
224.499

 46, 13.971,
224.499

 96, 13.971,
224.499

 36, 13.971,
224.499

 26, 13.971,
224.499

 16, 13.971,
224.499

 6, 13.971, 224.499

 0, 13.971, 224.499

66, 13.971,
224.499

66, 13.971,
224.499

64, 18.456,
225.462

68, 9.078, 223.782

62, 22.456,
226.743

71, 3.852, 223.319

73, 1.636, 42.509

60, 25.900,
228.410

76, 7.325, 42.475

58, 28.739,
230.548

78, 13.165, 42.330

81, 19.112, 42.239

56, 30.959,
233.244

84, 25.131, 42.196

55, 32.598,
236.572

85, 25.069, 47.306

86, 24.740, 53.037

53, 33.785,
240.532

53, 34.123,

241.723

Harmonies

Complementary

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



66, 13.971, 224.499



62, 16.681, 42.220

Rectangle

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



66, 13.971, 224.499



66, 13.971, 274.499



66, 13.971, 44.499



66, 13.971, 94.499

Sweetspot

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



66, 13.971, 224.494



89, 5.369, 223.352



68, 27.634, 149.120



47, 3.798, 223.407



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, 13.971, 224.494



82, 19.983, 224.989



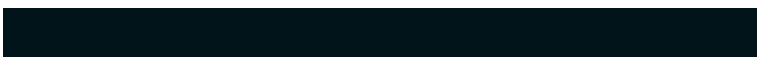
59, 19.871, 278.823



37, 3.089, 223.396



46, 30.523, 241.159



5, 7.479, 233.807

Inverse Universe

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



60, 27.536, 333.327



73, 40.083, 333.714



68, 19.685, 91.592



35, 5.755, 332.125



34, 66.318, 339.773



2, 12.975, 335.055

Previews

White Background



This preview shows how the CIE LCh color 66, 13.971, 224.499 looks on a white background.

Color Contrast Check

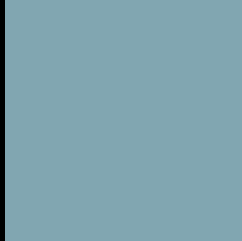
Large Text (above 18pt) WCAG AA × Fail

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, 13.971, 224.499 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

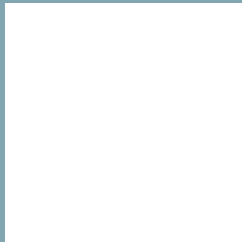
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 13.971, 224.499

Background



This preview shows how black text looks on a background with the CIELCh color 66, 13.971, 224.499.

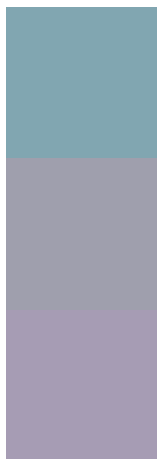


This preview shows how white text looks on a background with the CIELCh color 66, 13.971, 224.499.

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, 13.971, 224.499

Protanopia

66, 7.769, 290.996

Deuteranopia

66, 13.873, 306.765



Tritanopia
66, 14.113, 229.406

Trichromacy



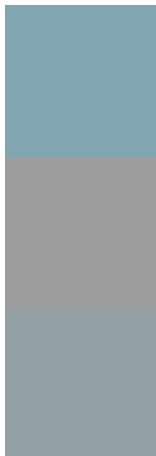
Original Color
66, 13.971, 224.499

Protanomaly
66, 8.683, 255.475

Deuteranomaly
66, 10.774, 277.809

Tritanomaly
66, 13.890, 227.287

Monochromacy



Original Color
66, 13.971, 224.499

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 5.253, 224.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 13.971, 224.499 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(129, 166, 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(129, 166, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 166, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 13.971, 224.499 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, 177) }
```

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

```
.border{ border-color:rgb(129, 166, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 166, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 166, 177); box-shadow:4px 4px 4px 4px rgb(129, 166, 177) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 13.971, 224.499 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, 177) }
```

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

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