

Converting Colors

CIELCh(66, 12.702, 243.348)

Have a look what the booklet for
CIELCh(66, 12.702, 243.348)
contains.

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Color

CIELCh(66, 12.703, 243.354)

Conversions

Conversions Part 1

Format	Color
Hex	89A4B4
RGB	137, 164, 180
RGB Percent	54%, 64%, 71%
CMY	0.4615, 0.3556, 0.2928
CMYK	0.24, 0.09, 0.00, 0.29
HSL	202°, 22%, 62%
HSV	202°, 24%, 71%
XYZ	31.9768, 35.3238, 48.4920
YIQ	157.7510, -21.2280, -0.7480

Conversions

Conversions Part 2

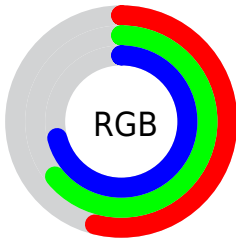
Format	Color
RYB	137, 154, 180
Decimal	9020596
CIELab	66.00, -5.70, -11.35
CIELCh	66, 12.703, 243.354
Yxy	35.3238, 0.2762, 0.3051
Android (android.graphics.Color)	4287210676 (0xFF89A4B4)
YUV	157.7510, 10.9688, -18.1986
Hunter-Lab	59.4338, -7.9721, -6.7710

Details

The CIELCh color `66, 12.703, 243.354` is a light color, and the websafe version is hex `999999`. A complement of this color would be `65, 14.240, 58.313`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 12.773, 243.453`, and `46, 12.673, 243.713` is the 20% darker color. If you saturate the color by 10%, you get `63, 17.649, 244.998`, and if you desaturate by 10%, it is `69, 7.511, 242.020`.

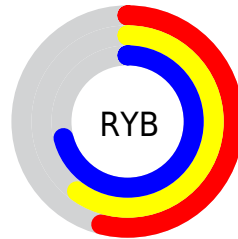
Distribution



Red (54%)

Green (64%)

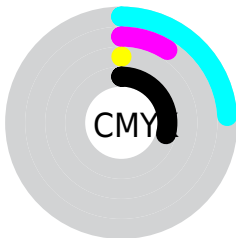
Blue (71%)



Red (54%)

Yellow (60%)

Blue (71%)

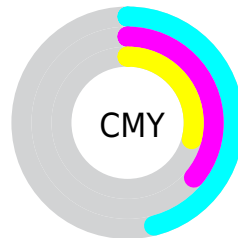


Cyan (24%)

Magenta (9%)

Yellow (0%)

Black (29%)



Cyan (46%)


Magenta (36%)

Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 12.703, 243.354 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, 12.703, 243.354 by changing the saturation by 10% instead.


 66, 12.703,
243.354


 66, 12.703,
243.354


 100, 12.703,
243.354


 56, 12.703,
243.354


 86, 12.703,
243.354

 46, 12.703,
243.354

 96, 12.703,
243.354

 36, 12.703,
243.354

 26, 12.703,
243.354

 16, 12.703,
243.354

 6, 12.703, 243.354

 0, 12.703, 243.354

66, 12.703,
243.354

66, 12.703,
243.354

63, 17.649,
244.998

69, 7.511, 242.020

60, 22.305,
247.031

72, 2.122, 241.060

75, 3.419, 59.827

57, 26.632,
249.523

79, 9.074, 59.157

55, 30.613,
252.552

82, 14.809, 58.553

85, 20.596, 58.041

52, 34.264,
256.179

88, 23.748, 62.553

50, 37.651,
260.422

89, 24.490, 72.223

91, 25.890, 81.043

47, 40.890,
265.213

46, 42.920,

Harmonies

Complementary

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



66, 12.703, 243.354



65, 14.240, 58.313

Rectangle

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



66, 12.703, 243.354



66, 12.703, 293.354



66, 12.703, 63.354



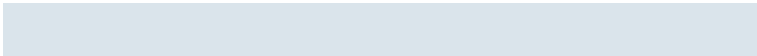
66, 12.703, 113.354

Sweetspot

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



66, 12.702, 243.348



90, 4.753, 241.305



70, 22.044, 155.204



48, 3.083, 241.359



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 12.702, 243.348



82, 18.908, 244.236



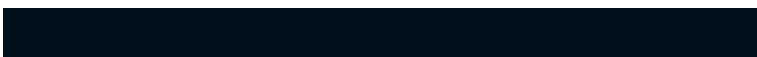
60, 21.099, 287.143



36, 3.068, 241.519



39, 37.670, 267.488



4, 7.922, 253.488

Inverse Universe

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



62, 22.277, 339.169



76, 33.577, 339.659



71, 20.312, 101.557



35, 5.197, 337.992



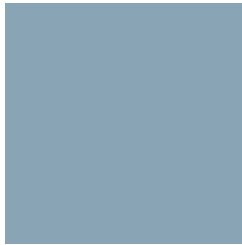
33, 60.648, 350.093



2, 11.533, 342.719

Previews

White Background



This preview shows how the CIELCh color 66, 12.703, 243.354 looks on a white background.

Color Contrast Check

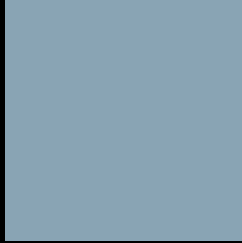
Large Text (above 18pt) WCAG AA × Fail

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, 12.703, 243.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

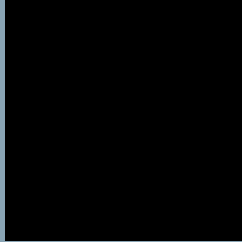
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

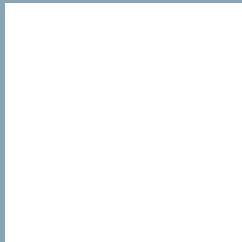
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 12.703, 243.354

Background



This preview shows how black text looks on a background with the CIELCh color 66, 12.703, 243.354.



This preview shows how white text looks on a background with the CIELCh color 66, 12.703, 243.354.

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, 12.703, 243.354

Protanopia

66, 9.986, 289.140

Deuteranopia

66, 14.858, 304.321



Tritanopia
66, 11.972, 235.921

Trichromacy



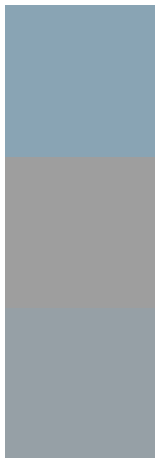
Original Color
66, 12.703, 243.354

Protanomaly
66, 10.121, 268.269

Deuteranomaly
66, 12.259, 284.753

Tritanomaly
66, 12.275, 238.156

Monochromacy



Original Color
66, 12.703, 243.354

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 4.924, 241.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 12.703, 243.354 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(137, 164, 180)` looks like.

```
.text, #text, p{  
    color:rgb(137, 164, 180)  
}
```

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(137, 164, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 164, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 12.703, 243.354 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(137, 164, 180) }
```

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

```
.border{ border-color:rgb(137, 164, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 164, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 164, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 164, 180);  
box-shadow:4px 4px 4px 4px rgb(137, 164,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 12.703, 243.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 164, 180) }
```

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

```
.background{ background-color: rgb(137,  
164, 180) }
```

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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