

Converting Colors

CIELCh(66, 19.305, 242.787)

Have a look what the booklet for
CIELCh(66, 19.305, 242.787)
contains.

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Color

CIELCh(66, 19.522, 244.120)

Conversions

Conversions Part 1

Format	Color
Hex	7AA6BF
RGB	122, 166, 191
RGB Percent	48%, 65%, 75%
CMY	0.5203, 0.3478, 0.2497
CMYK	0.36, 0.13, 0.00, 0.25
HSL	202°, 35%, 61%
HSV	202°, 36%, 75%
XYZ	31.2040, 35.3238, 54.6510
YIQ	155.6940, -34.2490, -1.5530

Conversions

Conversions Part 2

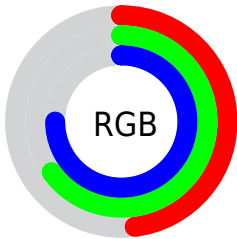
Format	Color
RYB	122, 149, 191
Decimal	8038079
CIELab	66.00, -8.52, -17.56
CIElCh	66, 19.522, 244.120
Yxy	35.3238, 0.2575, 0.2915
Android (android.graphics.Color)	4286228159 (0xFF7AA6BF)
YUV	155.6940, 17.4059, -29.5496
Hunter-Lab	59.4338, -10.2929, -12.9150

Details

The CIELCh color `66, 19.522, 244.120` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `65, 23.587, 56.236`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 19.494, 243.421`, and `46, 19.648, 245.334` is the 20% darker color. If you saturate the color by 10%, you get `63, 24.269, 246.221`, and if you desaturate by 10%, it is `69, 14.441, 242.415`.

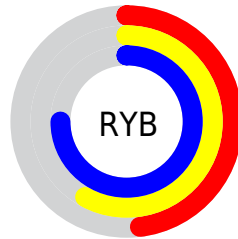
Distribution



Red (48%)

Green (65%)

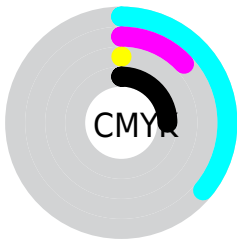
Blue (75%)



Red (48%)

Yellow (58%)

Blue (75%)

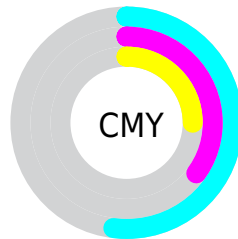


Cyan (36%)

Magenta (13%)

Yellow (0%)

Black (25%)



Cyan (52%)


Magenta (35%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 19.522, 244.120 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, 19.522, 244.120 by changing the saturation by 10% instead.


 66, 19.522,
244.120


 66, 19.522,
244.120


 100, 19.522,
244.120


 56, 19.522,
244.120


 86, 19.522,
244.120

 46, 19.522,
244.120

 96, 19.522,
244.120

 36, 19.522,
244.120

 26, 19.522,
244.120

 16, 19.522,
244.120

 6, 19.522, 244.120

 0, 19.522, 244.120

66, 19.522,
244.120

66, 19.522,
244.120

63, 24.269,
246.221

69, 14.441,
242.415

60, 28.646,
248.806

72, 9.079, 241.047

75, 3.488, 240.001

57, 32.637,
251.952

79, 2.282, 58.753

55, 36.269,
255.718

82, 8.188, 58.143

52, 39.624,
260.109

85, 14.190, 57.544

89, 19.865, 57.873

50, 42.841,
265.030

90, 20.409, 69.989

49, 44.142,
266.950

92, 21.810, 80.953

Harmonies

Complementary

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



66, 19.522, 244.120



65, 23.587, 56.236

Rectangle

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



66, 19.522, 244.120



66, 19.522, 294.120



66, 19.522, 64.120



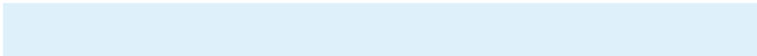
66, 19.522, 114.120

Sweetspot

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



66, 19.521, 244.117



94, 7.788, 240.489



72, 35.242, 153.245



49, 5.219, 240.637



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



66, 19.521, 244.117



81, 28.330, 245.682



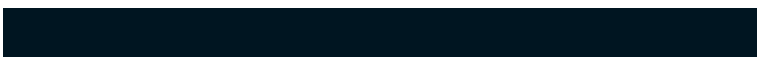
57, 33.555, 288.381



39, 3.275, 240.303



41, 38.437, 266.217



6, 11.102, 254.499

Inverse Universe

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



60, 35.553, 339.804



73, 52.305, 340.546



73, 31.655, 99.234



38, 5.601, 337.561



35, 63.130, 349.427



3, 17.347, 343.974

Previews

White Background



This preview shows how the CIELCh color 66, 19.522, 244.120 looks on a white background.

Color Contrast Check

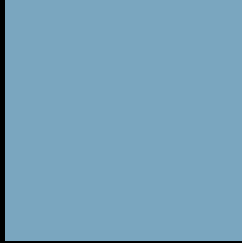
Large Text (above 18pt) WCAG AA × Fail

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, 19.522, 244.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

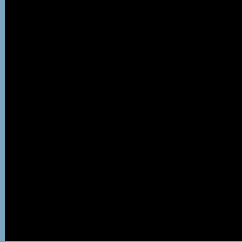
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

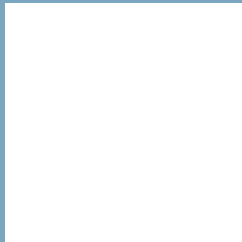
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 19.522, 244.120

Background



This preview shows how black text looks on a background with the CIELCh color 66, 19.522, 244.120.



This preview shows how white text looks on a background with the CIELCh color 66, 19.522, 244.120.

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, 19.522, 244.120

Protanopia

66, 15.010, 286.340

Deuteranopia

66, 20.607, 295.201



Tritanopia
66, 17.361, 222.908

Trichromacy



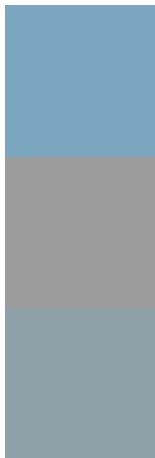
Original Color
66, 19.522, 244.120

Protanomaly
66, 15.626, 266.940

Deuteranomaly
66, 18.238, 276.814

Tritanomaly
66, 17.885, 232.510

Monochromacy



Original Color
66, 19.522, 244.120

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 7.569, 240.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 19.522, 244.120 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(122, 166, 191)` looks like.

```
.text, #text, p{  
    color:rgb(122, 166, 191)  
}
```

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(122, 166, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 166, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 19.522, 244.120 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(122, 166, 191) }
```

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

```
.border{ border-color:rgb(122, 166, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 166, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 166, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 166, 191);  
box-shadow:4px 4px 4px 4px rgb(122, 166,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 19.522, 244.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 166, 191) }
```

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

```
.background{ background-color: rgb(122,  
166, 191) }
```

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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