

Converting Colors

CIELCh(66, 19.233, 197.843)

Have a look what the booklet for
CIELCh(66, 19.233, 197.843)
contains.

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Color

CIELCh(66, 19.115, 197.820)

Conversions

Conversions Part 1

Format	Color
Hex	72AAAA
RGB	114, 170, 170
RGB Percent	45%, 67%, 67%
CMY	0.5522, 0.3325, 0.3326
CMYK	0.33, 0.00, 0.00, 0.33
HSL	180°, 25%, 56%
HSV	180°, 33%, 67%
XYZ	28.6508, 35.3238, 43.4361
YIQ	153.2560, -33.3760, -11.8720

Conversions

Conversions Part 2

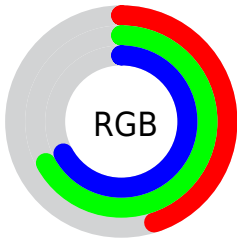
Format	Color
RYB	114, 142, 170
Decimal	7514794
CIELab	66.00, -18.20, -5.85
CIELCh	66, 19.115, 197.820
Yxy	35.3238, 0.2667, 0.3289
Android (android.graphics.Color)	4285704874 (0xFF72AAAA)
YUV	153.2560, 8.2548, -34.4275
Hunter-Lab	59.4338, -17.9613, -1.7272

Details

The CIELCh color **66, 19.115, 197.820** is a light color, and the websafe version is hex **669999**. A complement of this color would be **54, 23.903, 22.209**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 18.969, 198.134**, and **46, 19.261, 197.326** is the 20% darker color. If you saturate the color by 10%, you get **65, 23.849, 197.426**, and if you desaturate by 10%, it is **67, 13.805, 198.265**.

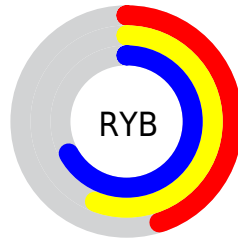
Distribution



Red (45%)

Green (67%)

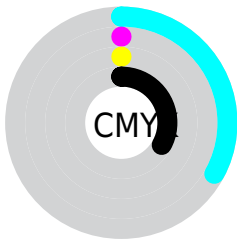
Blue (67%)



Red (45%)

Yellow (56%)

Blue (67%)

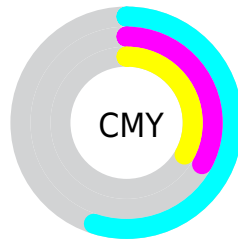


Cyan (33%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (55%)


Magenta (33%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 19.115, 197.820 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, 19.115, 197.820 by changing the saturation by 10% instead.


 66, 19.115,
197.820


 66, 19.115,
197.820


 100, 19.115,
197.820


 56, 19.115,
197.820


 86, 19.115,
197.820


 46, 19.115,
197.820


 96, 19.115,
197.820

 36, 19.115,
197.820

 26, 19.115,
197.820

 16, 19.115,
197.820

 6, 19.115, 197.820

 0, 19.115, 197.820

66, 19.115,
197.820

66, 19.115,
197.820

65, 23.849,
197.426

67, 13.805,
198.265

65, 27.913,
197.097

68, 8.016, 198.777

69, 1.848, 199.507

64, 31.238,
196.832

71, 4.605, 19.694

64, 33.782,
196.632

72, 11.262, 20.340

63, 35.544,
196.494

74, 18.052, 20.957

76, 24.919, 21.576

63, 36.574,
196.413

77, 31.816, 22.198

63, 37.020,
196.378

78, 33.698, 22.367

Harmonies

Complementary

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



66, 19.115, 197.820



54, 23.903, 22.209

Rectangle

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



66, 19.115, 197.820



66, 19.115, 247.820



66, 19.115, 17.820



66, 19.115, 67.820

Sweetspot

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



66, 19.115, 197.817



87, 7.761, 198.933



65, 37.596, 141.745



46, 5.319, 198.853



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



66, 19.115, 197.817



83, 27.299, 197.545



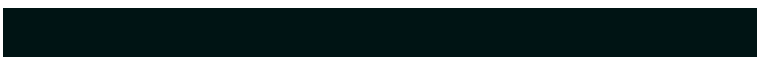
58, 17.882, 258.740



35, 3.516, 198.987



55, 33.389, 196.378



5, 6.572, 199.415

Inverse Universe

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



54, 23.903, 22.209



66, 35.985, 23.165



61, 19.763, 69.648



33, 3.724, 19.902



30, 69.025, 39.357



1, 6.572, 19.401

Previews

White Background



This preview shows how the CIE LCh color 66, 19.115, 197.820 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, 19.115, 197.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

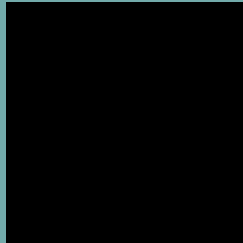
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 19.115, 197.820

Background



This preview shows how black text looks on a background with the CIELCh color 66, 19.115, 197.820.



This preview shows how white text looks on a background with the CIELCh color 66, 19.115, 197.820.

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, 19.115, 197.820

Protanopia

66, 2.360, 309.130

Deuteranopia

66, 11.331, 318.572



Tritanopia
66, 18.321, 223.410

Trichromacy



Original Color
66, 19.115, 197.820

Protanomaly
66, 7.115, 212.452

Deuteranomaly
66, 7.413, 254.809

Tritanomaly
66, 18.253, 214.004

Monochromacy



Original Color
66, 19.115, 197.820

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 7.398, 198.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 19.115, 197.820 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(114, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(114, 170, 170)  
}
```

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(114, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 170, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 19.115, 197.820 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(114, 170, 170) }
```

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

```
.border{ border-color:rgb(114, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(114, 170,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 19.115, 197.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 170, 170) }
```

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

```
.background{ background-color: rgb(114,  
170, 170) }
```

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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