

Converting Colors

CIELCh(66, 1.283, 6.581)

Have a look what the booklet for
CIELCh(66, 1.283, 6.581) contains.

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Color

CIELCh(66, 1.147, 19.102)

Conversions

Conversions Part 1

Format	Color
Hex	A3A0A0
RGB	163, 160, 160
RGB Percent	64%, 63%, 63%
CMY	0.3619, 0.3737, 0.3737
CMYK	0.00, 0.02, 0.02, 0.36
HSL	0°, 2%, 63%
HSV	0°, 2%, 64%
XYZ	33.8840, 35.3238, 38.1561
YIQ	160.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

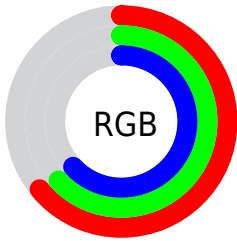
Format	Color
RYB	163, 160, 160
Decimal	10723488
CIELab	66.00, 1.08, 0.38
CIELCh	66, 1.147, 19.102
Yxy	35.3238, 0.3156, 0.3290
Android (android.graphics.Color)	4288913568 (0xFFA3A0A0)
YUV	160.8970, -0.4422, 1.8443
Hunter-Lab	59.4338, -2.2440, 3.5399

Details

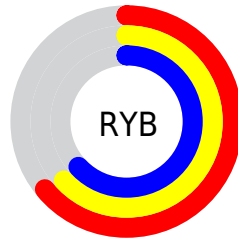
The CIELCh color **66, 1.147, 19.102** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 1.131, 199.802**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 1.085, 18.947**, and **46, 0.820, 19.071** is the 20% darker color. If you saturate the color by 10%, you get **61, 7.649, 20.179**, and if you desaturate by 10%, it is **71, 4.875, 199.181**.

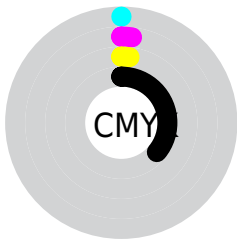
Distribution



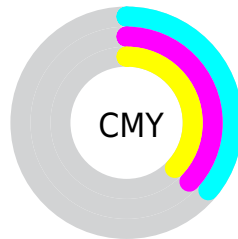
- Red (64%)
- Green (63%)
- Blue (63%)



- Red (64%)
- Yellow (63%)
- Blue (63%)



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (36%)



- Cyan (36%)
- Magenta (37%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 1.147, 19.102 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, 1.147, 19.102 by changing the saturation by 10% instead.

 66, 1.147, 19.102  66, 1.147, 19.102

 100, 1.147, 19.102  56, 1.147, 19.102

 86, 1.147, 19.102  46, 1.147, 19.102

 96, 1.147, 19.102  36, 1.147, 19.102

 26, 1.147, 19.102

 16, 1.147, 19.102

 6, 1.147, 19.102

 0, 1.147, 19.102

 66, 1.147, 19.102  66, 1.147, 19.102

 61, 7.649, 20.179  71, 4.875, 199.181

57, 14.662, 21.042

76, 10.454,
198.725

52, 22.184, 22.133

81, 15.637,
198.386

48, 30.172, 23.545

44, 38.514, 25.381

85, 20.471,
198.116

41, 47.023, 27.743

90, 24.998,
197.898

38, 55.432, 30.689

36, 63.359, 34.112

95, 28.690,
197.650

34, 70.081, 37.489

Harmonies

Complementary

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



66, 1.147, 19.102



67, 1.131, 199.802

Rectangle

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



66, 1.147, 19.102



66, 1.147, 69.102



66, 1.147, 199.102



66, 1.147, 249.102

Sweetspot

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



66, 1.146, 19.180



84, 0.768, 18.797



66, 2.031, 324.432



45, 0.440, 18.748



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



66, 1.146, 19.180



84, 1.541, 19.231



66, 0.995, 74.886



34, 0.705, 19.183



30, 68.050, 39.280



1, 5.459, 19.476

Inverse Universe

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



67, 1.131, 199.802



84, 1.520, 199.752



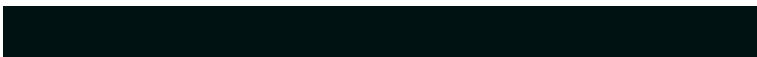
66, 1.003, 255.952



35, 0.696, 199.799



54, 32.922, 196.528



4, 5.456, 199.527

Previews

White Background



This preview shows how the CIELCh color 66, 1.147, 19.102 looks on a white background.

Color Contrast Check

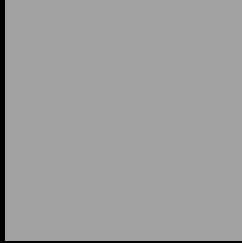
Large Text (above 18pt) WCAG AA × Fail

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, 1.147, 19.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

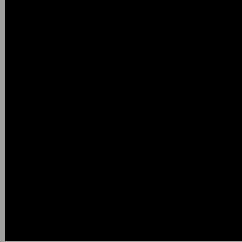
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

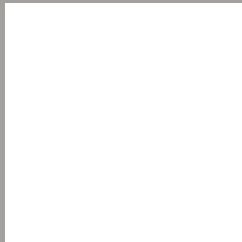
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 1.147, 19.102

Background



This preview shows how black text looks on a background with the CIELCh color 66, 1.147, 19.102.

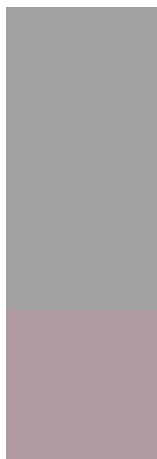


This preview shows how white text looks on a background with the CIELCh color 66, 1.147, 19.102.

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, 1.147, 19.102

Protanopia

66, 1.147, 19.102

Deuteranopia

66, 8.777, 358.050



Tritanopia
66, 7.583, 308.047

Trichromacy



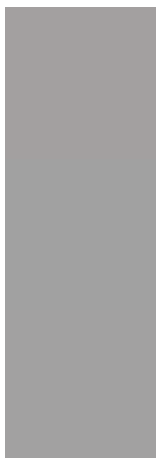
Original Color
66, 1.147, 19.102

Protanomaly
66, 1.147, 19.102

Deuteranomaly
66, 5.837, 357.647

Tritanomaly
66, 4.844, 313.477

Monochromacy



Original Color
66, 1.147, 19.102

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 0.382, 18.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 1.147, 19.102 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(163, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(163, 160, 160)  
}
```

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(163, 160, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 160, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 1.147, 19.102 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(163, 160, 160) }
```

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

```
.border{ border-color:rgb(163, 160, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 160, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 160, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 160, 160);  
box-shadow:4px 4px 4px 4px rgb(163, 160,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 1.147, 19.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 160, 160) }
```

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

```
.background{ background-color: rgb(163,  
160, 160) }
```

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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