

Converting Colors

CIELCh(66, 20.732, 312.684)

Have a look what the booklet for
CIELCh(66, 20.732, 312.684)
contains.

CIELCh(66, 20.815, 312.326)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(66, 20.815, 312.326)

Conversions

Conversions Part 1

Format	Color
Hex	AD99BC
RGB	173, 153, 188
RGB Percent	68%, 60%, 74%
CMY	0.3213, 0.3998, 0.2625
CMYK	0.08, 0.19, 0.00, 0.26
HSL	274°, 21%, 67%
HSV	274°, 19%, 74%
XYZ	37.7288, 35.3238, 52.4379
YIQ	162.9700, 0.6850, 15.1250

Conversions

Conversions Part 2

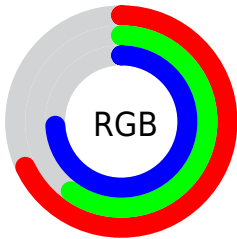
Format	Color
RYB	173, 153, 188
Decimal	11377084
CIELab	66.00, 14.02, -15.39
CIElCh	66, 20.815, 312.326
Yxy	35.3238, 0.3007, 0.2815
Android (android.graphics.Color)	4289567164 (0xFFAD99BC)
YUV	162.9700, 12.3398, 8.7963
Hunter-Lab	59.4338, 9.3031, -10.7073

Details

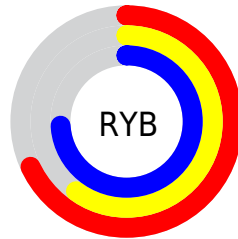
The CIELCh color $66, 20.815, 312.326$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $74, 20.378, 130.717$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 20.978, 312.949$, and $46, 20.878, 311.709$ is the 20% darker color. If you saturate the color by 10%, you get $61, 32.346, 312.798$, and if you desaturate by 10%, it is $72, 9.511, 311.870$.

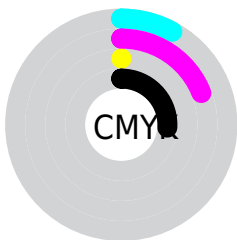
Distribution



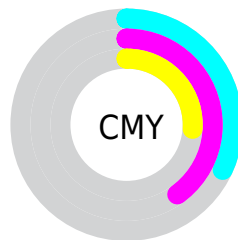
- Red (68%)
- Green (60%)
- Blue (74%)



- Red (68%)
- Yellow (60%)
- Blue (74%)



- Cyan (8%)
- Magenta (19%)
- Yellow (0%)
- Black (26%)





- Cyan (32%)
- Magenta (40%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 20.815, 312.326 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, 20.815, 312.326 by changing the saturation by 10% instead.


 66, 20.815,
312.326


 66, 20.815,
312.326


 100, 20.815,
312.326


 56, 20.815,
312.326


 86, 20.815,
312.326

 46, 20.815,
312.326


 96, 20.815,
312.326

 36, 20.815,
312.326

 26, 20.815,
312.326

 16, 20.815,
312.326

 6, 20.815, 312.326

 0, 20.815, 312.326

66, 20.815,
312.326

66, 20.815,
312.326

61, 32.346,
312.798

72, 9.511, 311.870

55, 44.003,
313.277

77, 1.503, 131.558

50, 55.596,
313.736

83, 12.204,
131.100

45, 66.819,
314.133

88, 22.584,
130.753

41, 77.207,
314.409

94, 32.650,
130.446

37, 86.132,
314.482

96, 36.129,
127.903


34, 92.887,
314.259


97, 35.142,
123.448

32, 97.202,

97, 34.386,
118.685

313.705

 98, 33.891,
113.672

 31, 97.754,
313.629

Harmonies

Complementary

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



66, 20.815, 312.326



74, 20.378, 130.717

Rectangle

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



66, 20.815, 312.326



66, 20.815, 2.326



66, 20.815, 132.326



66, 20.815, 182.326

Sweetspot

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



66, 20.813, 312.325



92, 8.186, 311.756



68, 12.005, 264.960



49, 5.432, 311.786



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



66, 20.813, 312.325



81, 30.613, 312.501



67, 22.206, 327.321



37, 6.283, 311.903



26, 85.877, 313.775



2, 18.318, 307.532

Inverse Universe

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



67, 15.764, 349.392



83, 23.183, 349.794



73, 22.178, 145.098



37, 4.755, 348.460



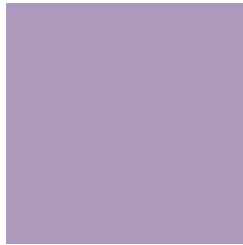
33, 59.088, 8.236



3, 13.456, 355.737

Previews

White Background



This preview shows how the CIELCh color 66, 20.815, 312.326 looks on a white background.

Color Contrast Check

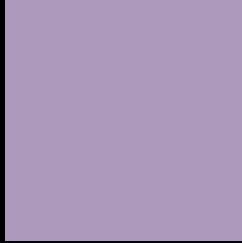
Large Text (above 18pt) WCAG AA × Fail

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, 20.815, 312.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

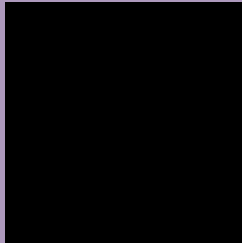
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 20.815, 312.326

Background



This preview shows how black text looks on a background with the CIELCh color 66, 20.815, 312.326.



This preview shows how white text looks on a background with the CIELCh color 66, 20.815, 312.326.

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, 20.815, 312.326

Protanopia
66, 18.337, 286.651

Deuteranopia
66, 16.828, 299.183



Tritanopia
66, 8.979, 326.855

Trichromacy



Original Color
66, 20.815, 312.326

Protanomaly
66, 18.953, 296.368

Deuteranomaly
66, 17.716, 304.773

Tritanomaly
66, 13.139, 318.153

Monochromacy



Original Color
66, 20.815, 312.326

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 7.833, 313.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 20.815, 312.326 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(173, 153, 188)` looks like.

```
.text, #text, p{  
    color:rgb(173, 153, 188)  
}
```

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(173, 153, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 153, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 20.815, 312.326 is called "border". The border property can be set on classes, ids or directly on the HTML element.

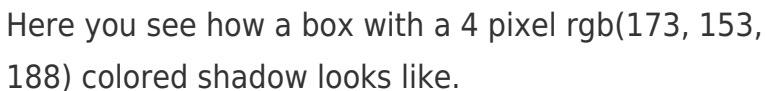
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 153, 188) }
```

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

```
.border{ border-color:rgb(173, 153, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 153, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 153, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 153, 188);  
box-shadow:4px 4px 4px 4px rgb(173, 153,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 20.815, 312.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 153, 188) }
```

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

```
.background{ background-color: rgb(173,  
153, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor