

Converting Colors

CIELCh(67, 20.481, 297.108)

Have a look what the booklet for
CIELCh(67, 20.481, 297.108)
contains.

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Color

CIELCh(67, 20.591, 297.107)

Conversions

Conversions Part 1

Format	Color
Hex	A49FC4
RGB	164, 159, 196
RGB Percent	64%, 62%, 77%
CMY	0.3572, 0.3768, 0.2317
CMYK	0.16, 0.19, 0.00, 0.23
HSL	248°, 24%, 70%
HSV	248°, 19%, 77%
XYZ	37.6294, 36.6320, 57.2591
YIQ	164.7130, -8.8970, 12.5670

Conversions

Conversions Part 2

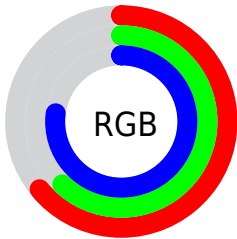
Format	Color
RYB	164, 159, 196
Decimal	10788804
CIELab	67.00, 9.38, -18.33
CIELCh	67, 20.591, 297.107
Yxy	36.6320, 0.2861, 0.2785
Android (android.graphics.Color)	4288978884 (0xFFA49FC4)
YUV	164.7130, 15.4245, -0.6253
Hunter-Lab	60.5244, 5.0599, -13.7243

Details

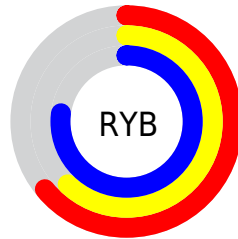
The CIELCh color $67, 20.591, 297.107$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $78, 19.744, 114.041$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 20.547, 296.543$, and $47, 20.241, 296.955$ is the 20% darker color. If you saturate the color by 10%, you get $61, 32.127, 298.171$, and if you desaturate by 10%, it is $73, 9.500, 296.187$.

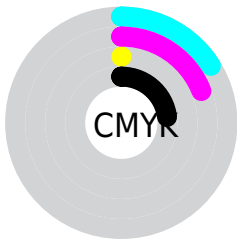
Distribution



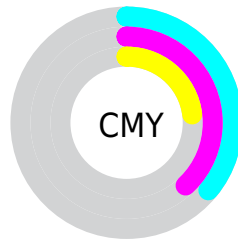
- Red (64%)
- Green (62%)
- Blue (77%)



- Red (64%)
- Yellow (62%)
- Blue (77%)



- Cyan (16%)
- Magenta (19%)
- Yellow (0%)
- Black (23%)





- Cyan (36%)
- Magenta (38%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 20.591, 297.107 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 67, 20.591, 297.107 by changing the saturation by 10% instead.


 67, 20.591,
297.107


 67, 20.591,
297.107


 100, 20.591,
297.107


 57, 20.591,
297.107


 87, 20.591,
297.107

 47, 20.591,
297.107

 97, 20.591,
297.107

 37, 20.591,
297.107

 27, 20.591,
297.107

 17, 20.591,
297.107

 7, 20.591, 297.107

 0, 20.591, 297.107

67, 20.591,
297.107

67, 20.591,
297.107

61, 32.127,
298.171

73, 9.500, 296.187

54, 44.115,
299.392

80, 1.161, 115.384

48, 56.510,
300.766

86, 11.422,
114.717

42, 69.156,
302.260

92, 21.310,
114.136

36, 81.661,
303.788

98, 29.888,
112.522

31, 93.210,
305.187

99, 29.772,
107.914

27, 102.455,
306.211

25, 108.297,

306.715

■ 24, 108.876,
306.777

Harmonies

Complementary

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



67, 20.591, 297.107



78, 19.744, 114.041

Rectangle

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



67, 20.591, 297.107



67, 20.591, 347.107



67, 20.591, 117.107



67, 20.591, 167.107

Sweetspot

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



67, 20.589, 297.106



95, 7.909, 295.955



75, 11.429, 212.146



50, 5.252, 296.009



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 20.589, 297.106



82, 31.340, 297.564



69, 22.132, 314.379



38, 6.015, 296.227



19, 93.873, 306.851



1, 19.548, 294.784

Inverse Universe

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



70, 22.221, 329.470



86, 33.548, 329.745



77, 21.739, 132.765



38, 6.584, 328.886



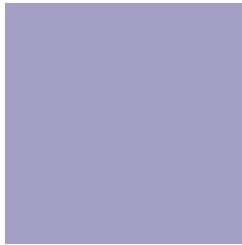
37, 73.677, 334.382



4, 21.326, 331.443

Previews

White Background



This preview shows how the CIELCh color 67, 20.591, 297.107 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 67, 20.591, 297.107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

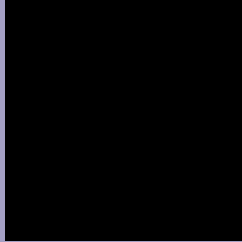
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 20.591, 297.107

Background



This preview shows how black text looks on a background with the CIELCh color 67, 20.591, 297.107.



This preview shows how white text looks on a background with the CIELCh color 67, 20.591, 297.107.

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


67, 20.591, 297.107

Protanopia

67, 20.514, 286.536

Deuteranopia

67, 20.561, 296.139



Tritanopia
67, 6.702, 281.426

Trichromacy



Original Color
67, 20.591, 297.107

Protanomaly
67, 20.473, 290.344

Deuteranomaly
67, 20.561, 296.139

Tritanomaly
67, 11.607, 289.599

Monochromacy



Original Color
67, 20.591, 297.107

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 7.229, 296.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 20.591, 297.107 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(164, 159, 196)` looks like.

```
.text, #text, p{  
    color:rgb(164, 159, 196)  
}
```

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(164, 159, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 159, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 20.591, 297.107 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(164, 159, 196) }
```

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

```
.border{ border-color:rgb(164, 159, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 159, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 159, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 159, 196);  
box-shadow:4px 4px 4px 4px rgb(164, 159,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 20.591, 297.107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 159, 196) }
```

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

```
.background{ background-color: rgb(164,  
159, 196) }
```

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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