

Converting Colors

CIELCh(67, 42.506, 287.620)

Have a look what the booklet for
CIELCh(67, 42.506, 287.620)
contains.

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Color

CIELCh(67, 42.642, 287.617)

Conversions

Conversions Part 1

Format	Color
Hex	8E9FEC
RGB	142, 159, 236
RGB Percent	56%, 62%, 93%
CMY	0.4429, 0.3762, 0.0743
CMYK	0.40, 0.33, 0.00, 0.07
HSL	229°, 71%, 74%
HSV	229°, 40%, 93%
XYZ	38.7232, 36.6320, 84.4347
YIQ	162.6950, -34.8490, 20.3430

Conversions

Conversions Part 2

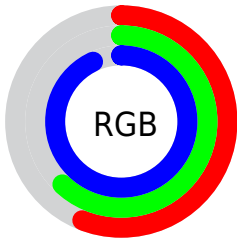
Format	Color
R _Y B	142, 156, 236
Decimal	9347052
CIE Lab	67.00, 12.91, -40.64
CIE LCh	67, 42.642, 287.617
Yxy	36.6320, 0.2423, 0.2293
Android (android.graphics.Color)	4287537132 (0xFF8E9FEC)
YUV	162.6950, 36.1394, -18.1495
Hunter-Lab	60.5244, 8.2857, -40.3456

Details

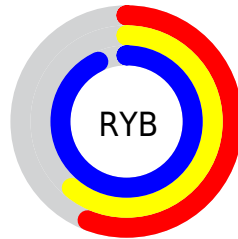
The CIELCh color `67, 42.642, 287.617` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `87, 40.243, 96.885`, and the grayscale version is `67, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 22.414, 280.287`, and `47, 42.682, 287.609` is the 20% darker color. If you saturate the color by 10%, you get `60, 54.294, 289.823`, and if you desaturate by 10%, it is `74, 31.400, 285.717`.

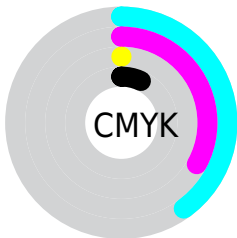
Distribution



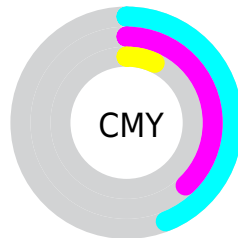
- Red (56%)
- Green (62%)
- Blue (93%)



- Red (56%)
- Yellow (61%)
- Blue (93%)



- Cyan (40%)
- Magenta (33%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 42.642, 287.617 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, 42.642, 287.617 by changing the saturation by 10% instead.

■ 67, 42.642,
287.617

■ 67, 42.642,
287.617

■ 100, 42.642,
287.617

■ 57, 42.642,
287.617

■ 87, 42.642,
287.617

■ 47, 42.642,
287.617

■ 97, 42.642,
287.617

■ 37, 42.642,
287.617

■ 27, 42.642,
287.617

■ 17, 42.642,
287.617

■ 7, 42.642, 287.617

■ 0, 42.642, 287.617

■ 67, 42.642,
287.617

■ 67, 42.642,
287.617

■ 60, 54.294,
289.823

■ 74, 31.400,
285.717

■ 54, 66.376,
292.342

■ 80, 20.539,
284.094

■ 48, 78.824,
295.130

■ 87, 10.025,
282.715

■ 42, 91.387,
298.064

■ 94, 0.171, 100.537

■ 37, 103.430,
300.919

■ 100, 9.585,
109.451

■ 34, 113.863,
303.368

■ 33, 114.030,
303.405

Harmonies

Complementary

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



67, 42.642, 287.617



87, 40.243, 96.885

Rectangle

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



67, 42.642, 287.617



67, 42.642, 337.617



67, 42.642, 107.617



67, 42.642, 157.617

Sweetspot

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



67, 42.641, 287.617



92, 13.083, 283.003



87, 31.855, 180.766



48, 8.695, 283.177



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, 42.641, 287.617



66, 55.528, 289.445



65, 53.190, 305.224



46, 5.767, 282.670



25, 92.217, 303.003



4, 31.285, 294.071

Inverse Universe

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



69, 38.145, 9.673



70, 49.528, 11.342



89, 48.983, 120.173



46, 5.037, 5.538



38, 72.719, 30.773



7, 27.944, 15.258

Previews

White Background



This preview shows how the CIELCh color 67, 42.642, 287.617 looks on a white background.

Color Contrast Check

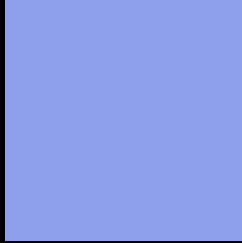
Large Text (above 18pt) WCAG AA × Fail

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 67, 42.642, 287.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

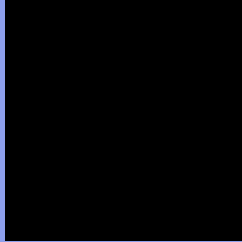
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 42.642, 287.617

Background



This preview shows how black text looks on a background with the CIELCh color 67, 42.642, 287.617.



This preview shows how white text looks on a background with the CIELCh color 67, 42.642, 287.617.

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, 42.642, 287.617

Protanopia

67, 42.742, 285.725

Deuteranopia

67, 41.813, 283.448



Tritanopia
67, 15.445, 226.282

Trichromacy



Original Color
67, 42.642, 287.617

Protanomaly
67, 42.710, 286.092

Deuteranomaly
67, 42.240, 285.166

Tritanomaly
67, 22.055, 264.044

Monochromacy



Original Color
67, 42.642, 287.617

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 15.614, 282.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 42.642, 287.617 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(142, 159, 236)` looks like.

```
.text, #text, p{  
    color:rgb(142, 159, 236)  
}
```

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(142, 159, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 159, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 42.642, 287.617 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(142, 159, 236) }
```

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

```
.border{ border-color:rgb(142, 159, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 159, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 159, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 159, 236);  
box-shadow:4px 4px 4px 4px rgb(142, 159,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 42.642, 287.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 159, 236) }
```

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

```
.background{ background-color: rgb(142,  
159, 236) }
```

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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