

Converting Colors

CIELCh(81, 96.666, 307.612)

Have a look what the booklet for
CIELCh(81, 96.666, 307.612)
contains.

CIELCh(77, 52.788, 317.960)	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(77, 52.788, 317.960)

Conversions

Conversions Part 1

Format	Color
Hex	E7A6FF
RGB	231, 166, 255
RGB Percent	91%, 65%, 100%
CMY	0.0941, 0.3492, 0.0000
CMYK	0.09, 0.35, 0.00, 0.00
HSL	284°, 100%, 83%
HSV	284°, 35%, 100%
XYZ	64.8013, 51.5317, 102.0010
YIQ	195.5810, 10.1710, 41.4590

Conversions

Conversions Part 2

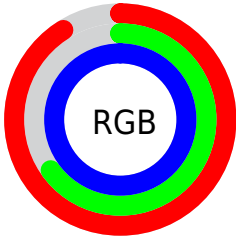
Format	Color
R _Y B	231, 166, 255
Decimal	15181567
CIE Lab	77.00, 39.20, -35.35
CIE LCh	77, 52.788, 317.960
Yxy	51.5317, 0.2968, 0.2360
Android (android.graphics.Color)	4293371647 (0xFFE7A6FF)
YUV	195.5810, 29.2936, 31.0625
Hunter-Lab	71.7856, 35.5081, -33.9959

Details

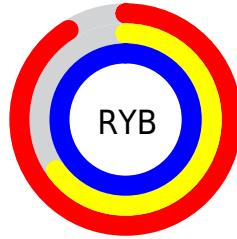
The CIELCh color **77, 52.788, 317.960** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **94, 51.127, 134.920**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **92, 20.651, 325.143**, and **57, 52.228, 318.101** is the 20% darker color. If you saturate the color by 10%, you get **71, 67.177, 318.608**, and if you desaturate by 10%, it is **83, 37.182, 317.774**.

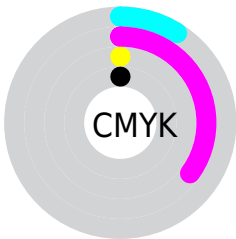
Distribution



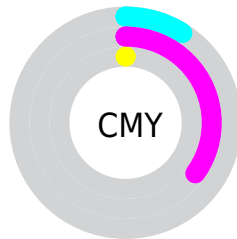
- Red (91%)
- Green (65%)
- Blue (100%)



- Red (91%)
- Yellow (65%)
- Blue (100%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 52.788, 317.960 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 77, 52.788, 317.960 by changing the saturation by 10% instead.

 77, 52.788,
317.960

 77, 52.788,
317.960


 100, 52.788,
317.960


 67, 52.788,
317.960


 97, 52.788,
317.960

 57, 52.788,
317.960

 47, 52.788,
317.960

 37, 52.788,
317.960

 27, 52.788,
317.960

 17, 52.788,
317.960

 7, 52.788, 317.960

■ 0, 52.788, 317.960

■ 77, 52.788,
317.960

■ 77, 52.788,
317.960

■ 71, 67.177,
318.608

■ 83, 37.182,
317.774

■ 65, 81.344,
318.938

■ 90, 22.089,
317.327

■ 60, 94.204,
319.151

■ 97, 7.213, 316.872

■ 56, 105.013,
319.189

100, 0.012,
296.813

■ 52, 113.024,
318.991

■ 50, 117.768,
318.507

■ 49,119.201,
318.176

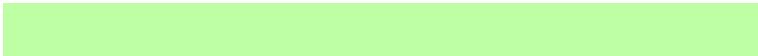
Harmonies

Complementary

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



77, 52.788, 317.960



94, 51.127, 134.920

Rectangle

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



77, 52.788, 317.960



77, 52.788, 7.960



77, 52.788, 137.960



77, 52.788, 187.960

Sweetspot

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



77, 52.309, 318.208



93, 14.736, 317.107



78, 34.765, 280.449



49, 10.068, 317.170



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 52.309, 318.208



73, 62.886, 318.497



79, 47.963, 333.453



50, 8.374, 317.085



37, 95.931, 318.329



9, 43.892, 319.410

Inverse Universe

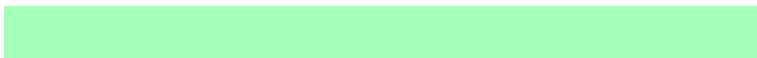
The Inverse Universe completely reimagines the original color for something new.



77, 35.960, 2.262



73, 43.568, 3.473



93, 47.735, 148.289



50, 5.584, 358.974



40, 71.821, 23.975



10, 31.600, 14.796

Previews

White Background



This preview shows how the CIELCh color 77, 52.788, 317.960 looks on a white background.

Color Contrast Check

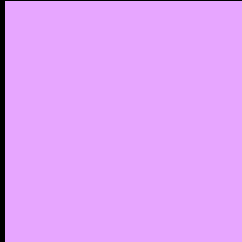
Large Text (above 18pt) WCAG AA × Fail

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 77, 52.788, 317.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

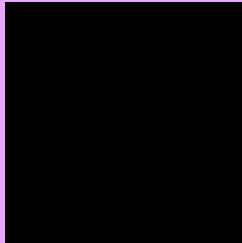
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 52.788, 317.960

Background



This preview shows how black text looks on a background with the CIELCh color 77, 52.788, 317.960.



This preview shows how white text looks on a background with the CIELCh color 77, 52.788, 317.960.

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

77, 52.280, 318.198

Protanopia

77, 36.202, 284.643

Deuteranopia

77, 34.444, 287.538



Tritanopia
77, 17.791, 356.148

Trichromacy



Original Color
77, 52.280, 318.198



Protanomaly
77, 40.652, 299.117



Deuteranomaly
77, 39.810, 301.517

Tritanomaly
77, 29.023, 331.123

Monochromacy



Original Color
77, 52.280, 318.198



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 19.245, 317.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 52.788, 317.960 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(231, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 166, 255)  
}
```

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(231, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 166, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 52.788, 317.960 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(231, 166, 255) }
```

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

```
.border{ border-color:rgb(231, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 166,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 52.788, 317.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 166, 255) }
```

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

```
.background{ background-color: rgb(231,  
166, 255) }
```

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