

Converting Colors

CIELCh(62, 96.613, 322.443)

Have a look what the booklet for
CIELCh(62, 96.613, 322.443)
contains.

CIELCh(62, 96.206, 322.594)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(62, 96.206, 322.594)

Conversions

Conversions Part 1

Format	Color
Hex	E456FF
RGB	228, 86, 255
RGB Percent	89%, 34%, 100%
CMY	0.1055, 0.6624, 0.0000
CMYK	0.11, 0.66, 0.00, 0.00
HSL	290°, 100%, 67%
HSV	290°, 66%, 100%
XYZ	53.4202, 30.4025, 97.7302
YIQ	147.7240, 30.3830, 82.6630

Conversions

Conversions Part 2

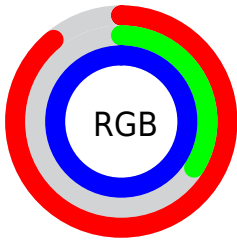
Format	Color
R _Y B	228, 86, 255
Decimal	14964479
CIE Lab	62.00, 76.42, -58.44
CIE LCh	62, 96.206, 322.594
Yxy	30.4025, 0.2942, 0.1675
Android (android.graphics.Color)	4293154559 (0xFFE456FF)
YUV	147.7240, 52.8871, 70.4021
Hunter-Lab	55.1385, 76.4449, -66.4915

Details

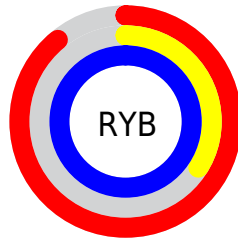
The CIELCh color **62, 96.206, 322.594** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **90, 95.256, 135.693**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 67.933, 326.747**, and **42, 96.018, 322.741** is the 20% darker color. If you saturate the color by 10%, you get **58, 105.904, 322.669**, and if you desaturate by 10%, it is **66, 84.071, 322.393**.

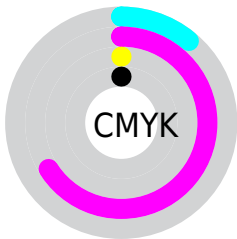
Distribution



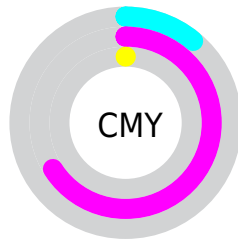
- Red (89%)
- Green (34%)
- Blue (100%)



- Red (89%)
- Yellow (34%)
- Blue (100%)



- Cyan (11%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (66%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 96.206, 322.594 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 62, 96.206, 322.594 by changing the saturation by 10% instead.


 62, 96.206,
322.594


 62, 96.206,
322.594


 100, 96.206,
322.594


 52, 96.206,
322.594


 82, 96.206,
322.594

 42, 96.206,
322.594

 92, 96.206,
322.594

 32, 96.206,
322.594

 22, 96.206,
322.594

 12, 96.206,
322.594

 2, 96.206, 322.594

 0, 96.206, 322.594

62, 96.206,
322.594

62, 96.206,
322.594

58, 105.904,
322.669

66, 84.071,
322.393

56, 112.695,
322.542

72, 70.307,
322.068

54, 116.331,
322.205

77, 55.520,
321.667

54, 117.164,
322.042

83, 40.221,
321.222

89, 24.781,
320.755

96, 9.449, 320.272

100, 0.012,
296.813

Harmonies

Complementary

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



62, 96.206, 322.594



90, 95.256, 135.693

Rectangle

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



62, 96.206, 322.594



62, 96.206, 12.594



62, 96.206, 142.594



62, 96.206, 192.594

Sweetspot

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



62, 96.169, 322.607



87, 30.586, 320.932



53, 80.644, 294.850



45, 20.894, 321.063



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 96.169, 322.607



58, 108.092, 322.654



63, 78.071, 341.735



50, 8.633, 320.433



40, 94.335, 322.143



10, 43.297, 322.845

Inverse Universe

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



61, 68.902, 18.026



57, 80.878, 23.047



90, 78.648, 148.308



50, 5.360, 7.205



40, 77.000, 32.471



10, 32.225, 20.623

Previews

White Background



This preview shows how the CIELCh color 62, 96.206, 322.594 looks on a white background.

Color Contrast Check

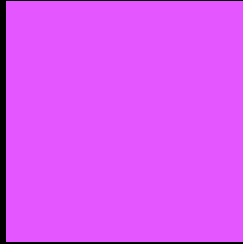
Large Text (above 18pt) WCAG AA × Fail

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 62, 96.206, 322.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

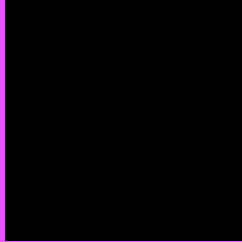
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 96.206, 322.594

Background



This preview shows how black text looks on a background with the CIELCh color 62, 96.206, 322.594.

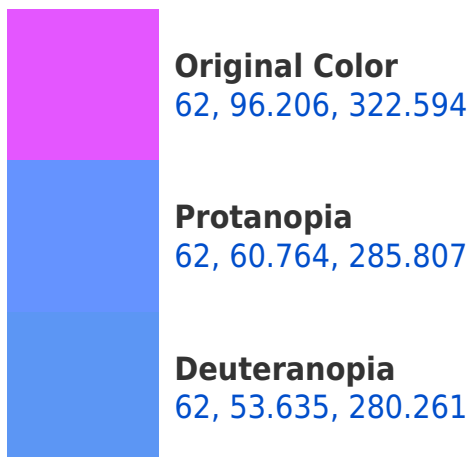


This preview shows how white text looks on a background with the CIELCh color 62, 96.206, 322.594.

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





Tritanopia
62, 36.538, 15.910

Trichromacy



Original Color
62, 96.206, 322.594



Protanomaly
60, 73.372, 302.099



Deuteranomaly
60, 68.370, 300.328



Tritanomaly
61, 52.843, 342.099

Monochromacy



Original Color
62, 96.206, 322.594



Achromatopsia
61, 0.008, 296.813



Achromatomaly
60, 39.503, 321.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 96.206, 322.594 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(228, 86, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 86, 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(228, 86, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 86, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 96.206, 322.594 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(228, 86, 255) }
```

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

```
.border{ border-color:rgb(228, 86, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 86, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 86, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 86, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 86,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 96.206, 322.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 86, 255) }
```

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

```
.background{ background-color: rgb(228, 86,  
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