

# Converting Colors

CIELCh(62, 86.890, 328.584)

Have a look what the booklet for  
CIELCh(62, 86.890, 328.584)  
contains.

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**Color**

**CIELCh(62, 87.244, 328.421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC56E8
RGB	236, 86, 232
RGB Percent	93%, 34%, 91%
CMY	0.0736, 0.6618, 0.0893
CMYK	0.00, 0.63, 0.02, 0.07
HSL	302°, 80%, 63%
HSV	302°, 63%, 93%
XYZ	52.6100, 30.4025, 79.6010
YIQ	147.4940, 42.5340, 77.2060

# Conversions

## Conversions Part 2

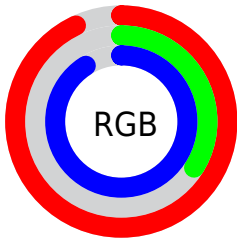
Format	Color
R <sub>YB</sub>	236, 86, 232
Decimal	15488744
CIE <sub>Lab</sub>	62.00, 74.32, -45.69
CIE <sub>LCh</sub>	62, 87.244, 328.421
Y <sub>xy</sub>	30.4025, 0.3235, 0.1870
Android (android.graphics.Color)	4293678824 (0xFFEC56E8)
YUV	147.4940, 41.6615, 77.6198
Hunter-Lab	55.1385, 73.8222, -46.9974

# Details

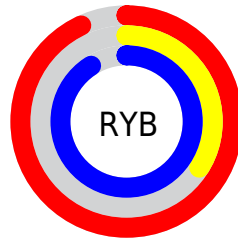
The CIELCh color **62, 87.244, 328.421** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **83, 88.625, 139.396**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 67.933, 326.747**, and **42, 87.377, 328.453** is the 20% darker color. If you saturate the color by 10%, you get **59, 96.139, 328.769**, and if you desaturate by 10%, it is **66, 76.079, 328.003**.

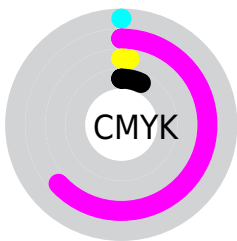
# Distribution



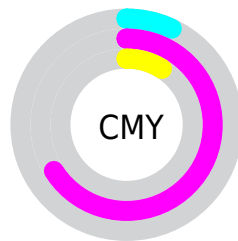
- Red (93%)
- Green (34%)
- Blue (91%)



- Red (93%)
- Yellow (34%)
- Blue (91%)



- Cyan (0%)
- Magenta (63%)
- Yellow (2%)
- Black (7%)




- Cyan (7%)
- Magenta (66%)
- Yellow (9%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 87.244, 328.421 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, 87.244, 328.421 by changing the saturation by 10% instead.





 62, 87.244,  
328.421


 62, 87.244,  
328.421


 100, 87.244,  
328.421


 52, 87.244,  
328.421


 82, 87.244,  
328.421

 42, 87.244,  
328.421

 92, 87.244,  
328.421

 32, 87.244,  
328.421

 22, 87.244,  
328.421

 12, 87.244,  
328.421

 2, 87.244, 328.421

 0, 87.244, 328.421

62, 87.244,  
328.421

62, 87.244,  
328.421

59, 96.139,  
328.769

66, 76.079,  
328.003

57, 102.342,  
329.041

70, 63.227,  
327.528

56, 105.732,  
329.240

75, 49.264,  
327.009

56, 106.775,  
329.341


80, 34.687,  
326.462

86, 19.882,  
325.898

91, 5.121, 325.297

97, 9.411, 144.838

98, 11.254,  
145.556

 98, 10.993,  
146.533

# Harmonies

# Complementary

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



62, 87.244, 328.421



83, 88.625, 139.396

# Rectangle

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



62, 87.244, 328.421



62, 87.244, 18.421



62, 87.244, 148.421



62, 87.244, 198.421

# Sweetspot

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



62, 87.241, 328.421



88, 29.836, 326.215



45, 87.771, 300.777



45, 20.541, 326.376



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, 87.241, 328.421



63, 104.022, 328.854



59, 64.664, 352.551



46, 8.306, 325.667



43, 87.515, 329.322



9, 37.591, 329.158



# Inverse Universe

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



62, 87.241, 328.421



63, 104.022, 328.854



84, 60.882, 157.107



46, 8.306, 325.667



43, 87.515, 329.322



9, 37.591, 329.158



# Previews

## White Background



This preview shows how the CIELCh color 62, 87.244, 328.421 looks on a white background.

## Color Contrast Check

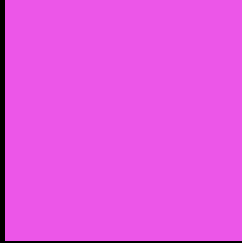
Large Text (above 18pt) WCAG AA × Fail

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 62, 87.244, 328.421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

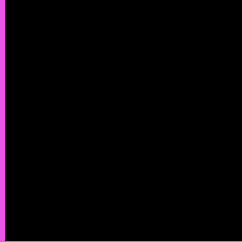
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 87.244, 328.421

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 87.244, 328.421.

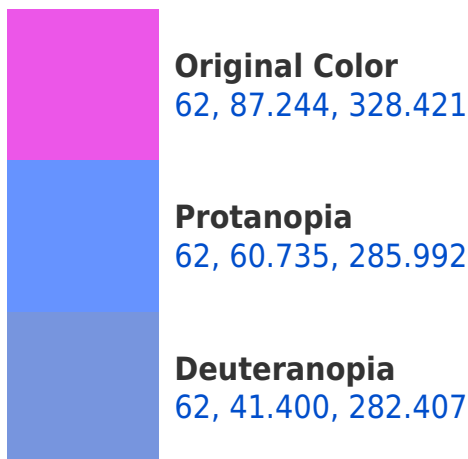


This preview shows how white text looks on a background with the CIELCh color 62, 87.244, 328.421.

# 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, 44.316, 19.098

# Trichromacy



**Original Color**  
62, 87.244, 328.421



**Protanomaly**  
60, 69.129, 303.093



**Deuteranomaly**  
60, 57.561, 306.933



**Tritanomaly**  
61, 54.422, 350.648

# Monochromacy



**Original Color**  
62, 87.244, 328.421



**Achromatopsia**  
61, 0.008, 296.813



**Achromatomaly**  
60, 35.657, 326.560

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 87.244, 328.421 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(236, 86, 232)` looks like.

```
.text, #text, p{  
    color:rgb(236, 86, 232)  
}
```

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(236, 86, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 86, 232) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 87.244, 328.421 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(236, 86, 232) }
```

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

```
.border{ border-color:rgb(236, 86, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 86, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 86, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 86, 232);  
box-shadow:4px 4px 4px 4px rgb(236, 86,  
232) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 87.244, 328.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 86, 232) }
```

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

```
.background{ background-color: rgb(236, 86,  
232) }
```

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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