

# Converting Colors

CIELCh(62, 100.363, 324.458)

Have a look what the booklet for  
CIELCh(62, 100.363, 324.458)  
contains.

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**Color**

**CIELCh(62, 100.543, 324.537)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED4CFF
RGB	237, 76, 255
RGB Percent	93%, 30%, 100%
CMY	0.0705, 0.7018, 0.0000
CMYK	0.07, 0.70, 0.00, 0.00
HSL	294°, 100%, 65%
HSV	294°, 70%, 100%
XYZ	55.5729, 30.4025, 97.5654
YIQ	144.5450, 38.4970, 89.8010

# Conversions

## Conversions Part 2

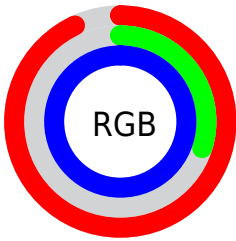
Format	Color
R <sub>YB</sub>	237, 76, 255
Decimal	15551743
CIE <sub>Lab</sub>	62.00, 81.89, -58.33
CIE <sub>LCh</sub>	62, 100.543, 324.537
Yxy	30.4025, 0.3028, 0.1656
Android (android.graphics.Color)	4293741823 (0xFFED4CFF)
YUV	144.5450, 54.4543, 81.0830
Hunter-Lab	55.1385, 83.4140, -66.3144

# Details

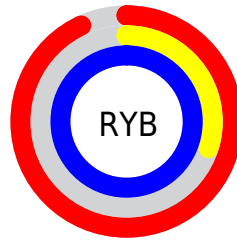
The CIELCh color **62, 100.543, 324.537** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 100.936, 136.516**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **74, 71.904, 326.876**, and **43, 95.821, 324.281** is the 20% darker color. If you saturate the color by 10%, you get **59, 108.784, 324.604**, and if you desaturate by 10%, it is **66, 89.592, 324.336**.

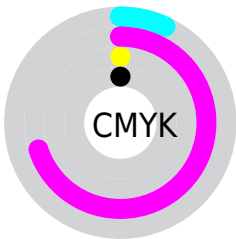
# Distribution



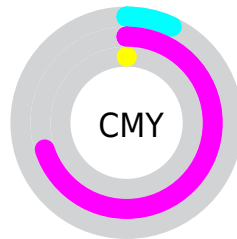
- Red (93%)
- Green (30%)
- Blue (100%)



- Red (93%)
- Yellow (30%)
- Blue (100%)



- Cyan (7%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (70%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 100.543, 324.537 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, 100.543, 324.537 by changing the saturation by 10% instead.





 62, 100.543,  
324.537


 62, 100.543,  
324.537


 100, 100.543,  
324.537


 52, 100.543,  
324.537


 82, 100.543,  
324.537


 42, 100.543,  
324.537

 92, 100.543,  
324.537

 32, 100.543,  
324.537

 22, 100.543,  
324.537

 12, 100.543,  
324.537

 2, 100.543,  
324.537

 0, 100.543,

324.537

■ 62, 100.543,  
324.537

■ 62, 100.543,  
324.537

■ 59, 108.784,  
324.604

■ 66, 89.592,  
324.336

■ 57, 113.969,  
324.507

■ 70, 76.587,  
324.019

■ 56, 116.372,  
324.264

■ 76, 62.180,  
323.620

■ 81, 46.955,  
323.168

■ 87, 31.367,  
322.684

■ 93, 15.739,  
322.183

100, 0.291,  
320.746

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, 100.543, 324.537



89, 100.936, 136.516

# Rectangle

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



62, 100.543, 324.537



62, 100.543, 14.537



62, 100.543, 144.537



62, 100.543, 194.537

# Sweetspot

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



62, 100.532, 324.541



87, 32.645, 322.724



49, 91.535, 298.076



44, 22.110, 322.859



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, 100.532, 324.541



58, 111.132, 324.587



62, 78.756, 345.216



50, 8.783, 322.148



42, 93.715, 324.330



11, 43.065, 324.789



# Inverse Universe

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



59, 74.361, 23.867



55, 87.886, 29.630



89, 79.032, 149.626



50, 5.290, 11.847



40, 79.956, 35.932



10, 32.598, 23.098



# Previews

## White Background



This preview shows how the CIELCh color 62, 100.543, 324.537 looks on a white background.

## Color Contrast Check

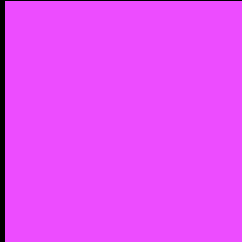
Large Text (above 18pt) WCAG AA × Fail

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, 100.543, 324.537 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

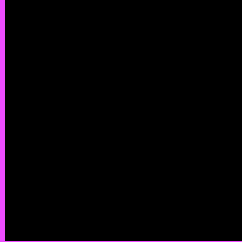
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 100.543, 324.537

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 100.543, 324.537.



This preview shows how white text looks on a background with the CIELCh color 62, 100.543, 324.537.





# 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

62, 100.543, 324.537

### Protanopia

62, 60.764, 285.807

### Deuteranopia

62, 53.035, 280.406



**Tritanopia**  
62, 42.614, 18.628

# Trichromacy



**Original Color**  
62, 100.543, 324.537



**Protanomaly**  
59, 75.831, 303.575



**Deuteranomaly**  
59, 70.322, 302.426



**Tritanomaly**  
61, 57.867, 345.391

# Monochromacy



**Original Color**  
62, 100.543, 324.537



**Achromatopsia**  
60, 0.008, 296.813



**Achromatomaly**  
58, 41.989, 323.149

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 100.543, 324.537 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(237, 76, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 76, 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(237, 76, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 76, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 100.543, 324.537 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(237, 76, 255) }
```

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

```
.border{ border-color:rgb(237, 76, 255) }
```

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

Here you see how a box with a 4 pixel rgb(237, 76, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 76, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 76, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 76,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 100.543, 324.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 76, 255) }
```

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

```
.background{ background-color: rgb(237, 76,  
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](#).

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