

Converting Colors

CIELCh(62, 94.701, 333.590)

Have a look what the booklet for
CIELCh(62, 94.701, 333.590)
contains.

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Color

CIELCh(62, 94.709, 333.682)

Conversions

Conversions Part 1

Format	Color
Hex	FF40E2
RGB	255, 64, 226
RGB Percent	100%, 25%, 89%
CMY	0.0002, 0.7492, 0.1139
CMYK	0.00, 0.75, 0.11, 0.00
HSL	309°, 100%, 63%
HSV	309°, 75%, 100%
XYZ	56.7781, 30.4025, 74.7996
YIQ	139.5770, 61.8340, 90.8740

Conversions

Conversions Part 2

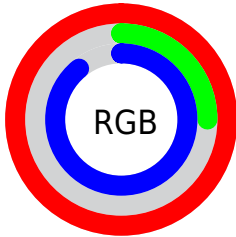
Format	Color
R _Y B	255, 64, 226
Decimal	16728290
CIE Lab	62.00, 84.89, -41.99
CIE LCh	62, 94.709, 333.682
Yxy	30.4025, 0.3505, 0.1877
Android (android.graphics.Color)	4294918370 (0xFFFF40E2)
YUV	139.5770, 42.6065, 101.2260
Hunter-Lab	55.1385, 87.3157, -41.8345

Details

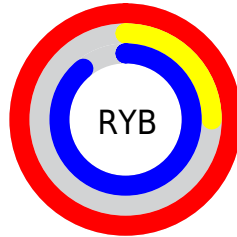
The CIELCh color **62, 94.709, 333.682** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **89, 98.894, 140.948**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 76.316, 327.019**, and **45, 85.360, 333.882** is the 20% darker color. If you saturate the color by 10%, you get **60, 99.910, 334.376**, and if you desaturate by 10%, it is **65, 86.596, 333.017**.

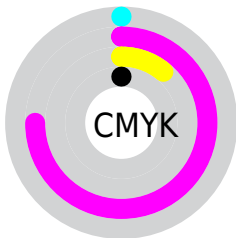
Distribution



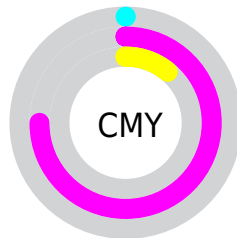
- Red (100%)
- Green (25%)
- Blue (89%)



- Red (100%)
- Yellow (25%)
- Blue (89%)



- Cyan (0%)
- Magenta (75%)
- Yellow (11%)
- Black (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 94.709, 333.682 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, 94.709, 333.682 by changing the saturation by 10% instead.


 62, 94.709,
333.682


 62, 94.709,
333.682


 100, 94.709,
333.682


 52, 94.709,
333.682

 82, 94.709,
333.682

 42, 94.709,
333.682

 92, 94.709,
333.682

 32, 94.709,
333.682

 22, 94.709,
333.682

 12, 94.709,
333.682

 2, 94.709, 333.682

 0, 94.709, 333.682

62, 94.709,
333.682

62, 94.709,
333.682

60, 99.910,
334.376

65, 86.596,
333.017

59, 102.109,
335.126

69, 76.044,
332.364

58, 102.386,
335.530

74, 63.678,
331.715

79, 50.124,
331.068

85, 35.914,
330.427

91, 21.454,
329.793

97, 7.026, 329.147

100, 0.017,
243.252

Harmonies

Complementary

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



62, 94.709, 333.682



89, 98.894, 140.948

Rectangle

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



62, 94.709, 333.682



62, 94.709, 23.682



62, 94.709, 153.682



62, 94.709, 203.682

Sweetspot

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



62, 94.706, 333.682



86, 31.717, 330.241



43, 109.788, 305.056



44, 21.312, 330.414



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, 94.706, 333.682



59, 101.402, 334.749



59, 74.820, 5.870



50, 8.156, 329.450



44, 82.643, 335.384



12, 38.560, 334.395

Inverse Universe

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



62, 94.706, 333.682



59, 101.402, 334.749



90, 64.306, 162.969



50, 8.156, 329.450



44, 82.643, 335.384



12, 38.560, 334.395

Previews

White Background



This preview shows how the CIELCh color 62, 94.709, 333.682 looks on a white background.

Color Contrast Check

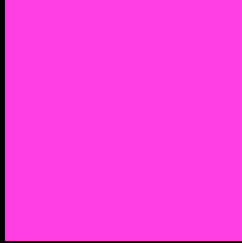
Large Text (above 18pt) WCAG AA × Fail

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, 94.709, 333.682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

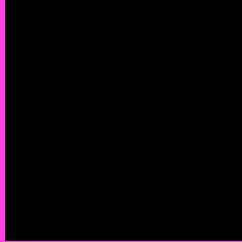
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 94.709, 333.682

Background



This preview shows how black text looks on a background with the CIELCh color 62, 94.709, 333.682.



This preview shows how white text looks on a background with the CIELCh color 62, 94.709, 333.682.

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, 59.181, 23.418

Trichromacy



Original Color
62, 94.709, 333.682



Protanomaly
59, 72.555, 306.484



Deuteranomaly
59, 59.628, 313.123



Tritanomaly
61, 65.814, 358.492

Monochromacy



Original Color
62, 94.709, 333.682



Achromatopsia
58, 0.007, 296.813



Achromatomaly
57, 41.735, 331.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 94.709, 333.682 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(255, 64, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 226)  
}
```

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(255, 64, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 94.709, 333.682 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(255, 64, 226) }
```

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

```
.border{ border-color:rgb(255, 64, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 64, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 94.709, 333.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 226) }
```

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

```
.background{ background-color: rgb(255, 64,  
226) }
```

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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