

Converting Colors

CIELCh(60, 99.760, 331.780)

Have a look what the booklet for
CIELCh(60, 99.760, 331.780)
contains.

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Color

CIELCh(60, 99.653, 331.795)

Conversions

Conversions Part 1

Format	Color
Hex	F932E5
RGB	249, 50, 229
RGB Percent	98%, 20%, 90%
CMY	0.0221, 0.8057, 0.1006
CMYK	0.00, 0.80, 0.08, 0.02
HSL	306°, 95%, 59%
HSV	306°, 80%, 98%
XYZ	54.5065, 28.1233, 76.9317
YIQ	129.9070, 61.1450, 97.8570

Conversions

Conversions Part 2

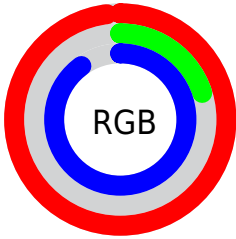
Format	Color
R _{YB}	249, 50, 229
Decimal	16331493
CIE _{Lab}	60.00, 87.82, -47.10
CIE _{LCh}	60, 99.653, 331.795
Yxy	28.1233, 0.3416, 0.1763
Android (android.graphics.Color)	4294521573 (0xFFFF932E5)
YUV	129.9070, 48.8528, 104.4446
Hunter-Lab	53.0314, 90.6601, -48.8888

Details

The CIELCh color **60, 99.653, 331.795** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **87, 104.758, 138.939**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 81.614, 327.189**, and **44, 86.319, 331.691** is the 20% darker color. If you saturate the color by 10%, you get **58, 103.562, 332.282**, and if you desaturate by 10%, it is **62, 92.776, 331.294**.

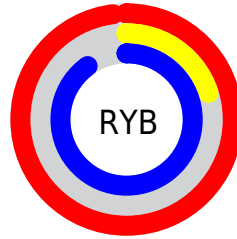
Distribution



Red (98%)

Green (20%)

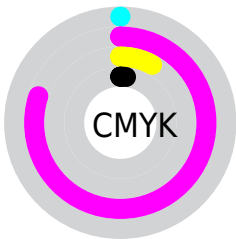
Blue (90%)



Red (98%)

Yellow (20%)

Blue (90%)

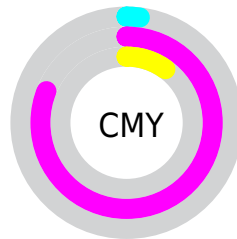


Cyan (0%)

Magenta (80%)

Yellow (8%)

Black (2%)



Cyan (2%)


Magenta (81%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 99.653, 331.795 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 60, 99.653, 331.795 by changing the saturation by 10% instead.


 60, 99.653,
331.795


 60, 99.653,
331.795


 100, 99.653,
331.795


 50, 99.653,
331.795


 80, 99.653,
331.795

 40, 99.653,
331.795

 90, 99.653,
331.795

 30, 99.653,
331.795

 20, 99.653,
331.795

 10, 99.653,
331.795

 0, 99.653, 331.795

 60, 99.653,

 60, 99.653,

331.795

■ 58, 103.562,
332.282

■ 58, 104.883,
332.764

331.795

■ 62, 92.776,
331.294

■ 66, 83.217,
330.768

■ 70, 71.515,
330.215

■ 75, 58.298,
329.639

■ 80, 44.147,
329.047

■ 86, 29.533,
328.449

■ 92, 14.805,
327.846

■ 98, 0.202, 325.642

100, 2.552,
160.436

Harmonies

Complementary

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



60, 99.653, 331.795



87, 104.758, 138.939

Rectangle

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



60, 99.653, 331.795



60, 99.653, 21.795



60, 99.653, 151.795



60, 99.653, 201.795

Sweetspot

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



60, 99.650, 331.795



85, 35.858, 328.682



39, 115.124, 305.045



43, 24.620, 328.896



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 99.650, 331.795



59, 106.322, 332.573



56, 76.930, 3.612



49, 8.317, 327.807



44, 85.180, 332.679



11, 38.923, 332.063

Inverse Universe

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



60, 99.650, 331.795



59, 106.322, 332.573



88, 69.604, 158.716



49, 8.317, 327.807



44, 85.180, 332.679



11, 38.923, 332.063

Previews

White Background



This preview shows how the CIELCh color 60, 99.653, 331.795 looks on a white background.

Color Contrast Check

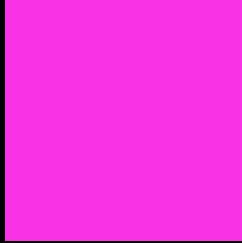
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 99.653, 331.795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

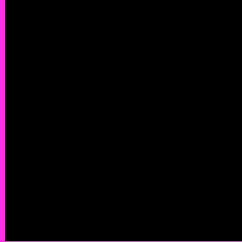
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 99.653, 331.795

Background



This preview shows how black text looks on a background with the CIELCh color 60, 99.653, 331.795.



This preview shows how white text looks on a background with the CIELCh color 60, 99.653, 331.795.

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
60, 99.401, 331.796

Protanopia
60, 64.460, 286.600

Deuteranopia
60, 41.716, 281.953



Tritanopia
60, 58.869, 24.090

Trichromacy



Original Color
60, 99.401, 331.796



Protanomaly
56, 78.977, 306.136



Deuteranomaly
56, 64.963, 310.661



Tritanomaly
59, 66.677, 356.919

Monochromacy



Original Color
60, 99.401, 331.796



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 44.975, 329.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 99.653, 331.795 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(249, 50, 229)` looks like.

```
.text, #text, p{  
    color:rgb(249, 50, 229)  
}
```

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(249, 50, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 50, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 99.653, 331.795 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(249, 50, 229) }
```

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

```
.border{ border-color:rgb(249, 50, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 50, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 50, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 50, 229);  
box-shadow:4px 4px 4px 4px rgb(249, 50,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 99.653, 331.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 50, 229) }
```

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

```
.background{ background-color: rgb(249, 50,  
229) }
```

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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