

Converting Colors

CIELCh(62, 58.717, 301.222)

Have a look what the booklet for
CIELCh(62, 58.717, 301.222)
contains.

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Color

CIELCh(62, 58.652, 301.200)

Conversions

Conversions Part 1

Format	Color
Hex	9987EF
RGB	153, 135, 239
RGB Percent	60%, 53%, 94%
CMY	0.3993, 0.4700, 0.0621
CMYK	0.36, 0.43, 0.00, 0.06
HSL	250°, 77%, 73%
HSV	250°, 43%, 94%
XYZ	37.4603, 30.4025, 85.6898
YIQ	152.2380, -22.6560, 36.1600

Conversions

Conversions Part 2

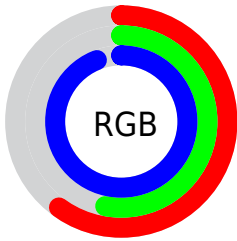
Format	Color
R_{YB}	153, 135, 239
Decimal	10061807
CIE _{Lab}	62.00, 30.38, -50.17
CIE _{LCh}	62, 58.652, 301.200
Yxy	30.4025, 0.2440, 0.1980
Android (android.graphics.Color)	4288251887 (0xFF9987EF)
YUV	152.2380, 42.7737, 0.6683
Hunter-Lab	55.1385, 24.7779, -53.5446

Details

The CIELCh color `62, 58.652, 301.200` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `91, 52.643, 113.857`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `80, 36.612, 304.538`, and `42, 58.442, 301.081` is the 20% darker color. If you saturate the color by 10%, you get `55, 73.351, 302.523`, and if you desaturate by 10%, it is `69, 44.320, 299.998`.

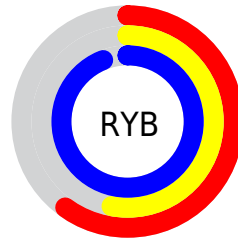
Distribution



Red (60%)

Green (53%)

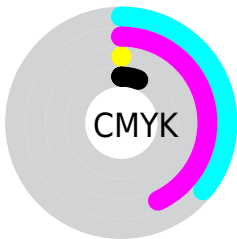
Blue (94%)



Red (60%)

Yellow (53%)

Blue (94%)

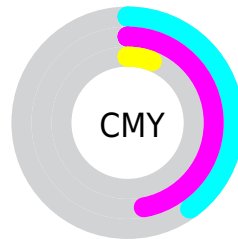


Cyan (36%)

Magenta (43%)

Yellow (0%)

Black (6%)



Cyan (40%)


Magenta (47%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 58.652, 301.200 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, 58.652, 301.200 by changing the saturation by 10% instead.

 62, 58.652,
301.200

 62, 58.652,
301.200


 100, 58.652,
301.200


 52, 58.652,
301.200


 82, 58.652,
301.200

 42, 58.652,
301.200

 92, 58.652,
301.200

 32, 58.652,
301.200

 22, 58.652,
301.200

 12, 58.652,
301.200

 2, 58.652, 301.200

 0, 58.652, 301.200

62, 58.652,
301.200

62, 58.652,
301.200

55, 73.351,
302.523

69, 44.320,
299.998

48, 88.096,
303.907

77, 30.482,
298.935

42, 102.179,
305.231

84, 17.167,
298.009

36, 114.318,
306.295

92, 4.363, 297.209

33, 122.781,
306.849

99, 7.954, 116.523

31, 126.141,
306.952

100, 8.011,
109.568

Harmonies

Complementary

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



62, 58.652, 301.200



91, 52.643, 113.857

Rectangle

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



62, 58.652, 301.200



62, 58.652, 351.200



62, 58.652, 121.200



62, 58.652, 171.200

Sweetspot

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



62, 58.651, 301.200



90, 17.411, 297.971



84, 27.399, 217.456



46, 12.235, 298.163



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, 58.651, 301.200



59, 74.961, 302.344



67, 61.191, 316.542



46, 7.189, 297.674



23, 103.304, 307.049



3, 38.298, 302.765

Inverse Universe

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



70, 57.857, 332.396



70, 71.574, 332.988



88, 58.955, 132.533



47, 7.636, 330.162



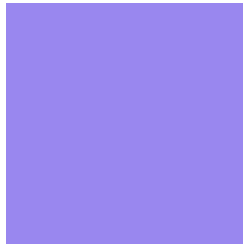
42, 78.899, 336.564



9, 35.081, 335.213

Previews

White Background



This preview shows how the CIELCh color 62, 58.652, 301.200 looks on a white background.

Color Contrast Check

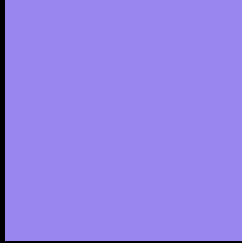
Large Text (above 18pt) WCAG AA × Fail

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, 58.652, 301.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

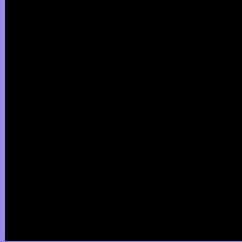
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 58.652, 301.200

Background



This preview shows how black text looks on a background with the CIELCh color 62, 58.652, 301.200.



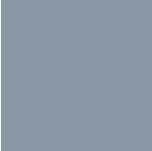
This preview shows how white text looks on a background with the CIELCh color 62, 58.652, 301.200.

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, 8.545, 251.309

Trichromacy



Original Color
62, 58.652, 301.200

Protanomaly
62, 57.717, 291.343

Deuteranomaly
62, 51.673, 288.227

Tritanomaly
62, 25.294, 290.616

Monochromacy



Original Color
62, 58.652, 301.200

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 21.499, 298.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 58.652, 301.200 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(153, 135, 239)` looks like.

```
.text, #text, p{  
    color:rgb(153, 135, 239)  
}
```

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(153, 135, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 135, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 58.652, 301.200 is called "border". The border property can be set on classes, ids or directly on the HTML element.

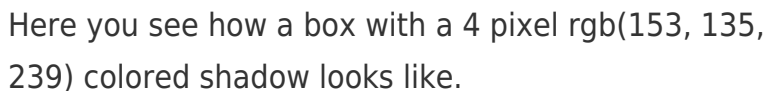
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 135, 239) }
```

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

```
.border{ border-color:rgb(153, 135, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 135, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 135, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 135, 239);  
box-shadow:4px 4px 4px 4px rgb(153, 135,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 58.652, 301.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 135, 239) }
```

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

```
.background{ background-color: rgb(153,  
135, 239) }
```

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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