

Converting Colors

CIELCh(53, 62.673, 303.853)

Have a look what the booklet for
CIELCh(53, 62.673, 303.853)
contains.

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Color

CIELCh(53, 62.746, 303.876)

Conversions

Conversions Part 1

Format	Color
Hex	876DD9
RGB	135, 109, 217
RGB Percent	53%, 43%, 85%
CMY	0.4712, 0.5731, 0.1496
CMYK	0.38, 0.50, 0.00, 0.15
HSL	254°, 59%, 64%
HSV	254°, 50%, 85%
XYZ	27.9232, 21.0462, 68.1266
YIQ	129.0860, -19.1720, 39.1000

Conversions

Conversions Part 2

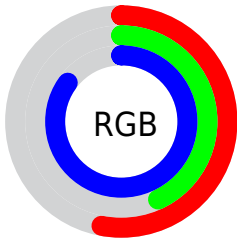
Format	Color
RYB	135, 109, 217
Decimal	8875481
CIELab	53.00, 34.97, -52.09
CIELCh	53, 62.746, 303.876
Yxy	21.0462, 0.2385, 0.1797
Android (android.graphics.Color)	4287065561 (0xFF876DD9)
YUV	129.0860, 43.3416, 5.1866
Hunter-Lab	45.8761, 28.3636, -55.9330

Details

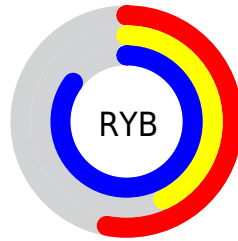
The CIELCh color $53, 62.746, 303.876$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $83, 55.698, 116.463$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 52.255, 305.410$, and $33, 62.260, 303.885$ is the 20% darker color. If you saturate the color by 10%, you get $47, 76.227, 304.995$, and if you desaturate by 10%, it is $60, 49.362, 302.809$.

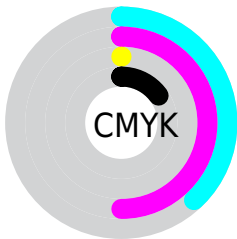
Distribution



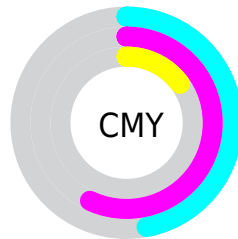
- Red (53%)
- Green (43%)
- Blue (85%)



- Red (53%)
- Yellow (43%)
- Blue (85%)



- Cyan (38%)
- Magenta (50%)
- Yellow (0%)
- Black (15%)





- Cyan (47%)
- Magenta (57%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 62.746, 303.876 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 53, 62.746, 303.876 by changing the saturation by 10% instead.


 53, 62.746,
303.876


 53, 62.746,
303.876


 100, 62.746,
303.876


 43, 62.746,
303.876


 73, 62.746,
303.876

 33, 62.746,
303.876

 83, 62.746,
303.876

 23, 62.746,
303.876

 93, 62.746,
303.876

 13, 62.746,
303.876

 3, 62.746, 303.876

 0, 62.746, 303.876

53, 62.746,
303.876

53, 62.746,
303.876

47, 76.227,
304.995

60, 49.362,
302.809

41, 89.317,
306.079

66, 36.309,
301.833

35, 101.116,
306.983

73, 23.682,
300.964

31, 110.289,
307.501

80, 11.506,
300.200

29, 116.011,
307.555

87, 0.223, 119.667

29, 116.116,
307.557

94, 11.526,
118.970

99, 19.394,
114.044

99, 19.291,
108.718

Harmonies

Complementary

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



53, 62.746, 303.876



83, 55.698, 116.463

Rectangle

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



53, 62.746, 303.876



53, 62.746, 353.876



53, 62.746, 123.876



53, 62.746, 173.876

Sweetspot

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



53, 62.745, 303.876



88, 20.290, 300.595



73, 27.510, 227.894



45, 13.897, 300.761



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 62.745, 303.876



54, 87.290, 305.079



59, 65.113, 318.849



42, 6.724, 300.175



22, 98.119, 307.674



2, 30.014, 300.797

Inverse Universe

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



61, 57.813, 335.529



66, 77.004, 336.435



80, 63.180, 134.137



43, 6.765, 332.569



39, 72.013, 340.663



6, 29.178, 338.051

Previews

White Background



This preview shows how the CIELCh color 53, 62.746, 303.876 looks on a white background.

Color Contrast Check

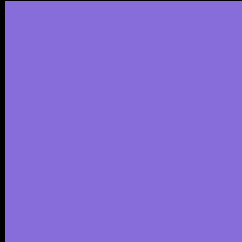
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 53, 62.746, 303.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

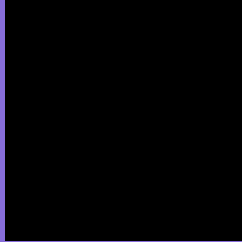
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 62.746, 303.876

Background



This preview shows how black text looks on a background with the CIELCh color 53, 62.746, 303.876.



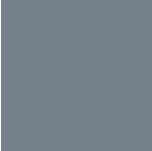
This preview shows how white text looks on a background with the CIELCh color 53, 62.746, 303.876.

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
53, 7.028, 254.799

Trichromacy



Original Color
53, 62.746, 303.876

Protanomaly
53, 62.282, 292.075

Deuteranomaly
52, 54.488, 288.689

Tritanomaly
53, 26.728, 294.886

Monochromacy



Original Color
53, 62.746, 303.876

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 22.887, 300.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 62.746, 303.876 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(135, 109, 217)` looks like.

```
.text, #text, p{  
    color:rgb(135, 109, 217)  
}
```

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(135, 109, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 109, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 62.746, 303.876 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(135, 109, 217) }
```

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

```
.border{ border-color:rgb(135, 109, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 109, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 109, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 109, 217); box-shadow:4px 4px 4px 4px rgb(135, 109, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 62.746, 303.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 109, 217) }
```

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

```
.background{ background-color: rgb(135,  
109, 217) }
```

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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