

Converting Colors

CIELCh(52, 61.068, 309.255)

Have a look what the booklet for
CIELCh(52, 61.068, 309.255)
contains.

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Color

CIELCh(52, 61.500, 309.286)

Conversions

Conversions Part 1

Format	Color
Hex	9266CE
RGB	146, 102, 206
RGB Percent	57%, 40%, 81%
CMY	0.4265, 0.5992, 0.1912
CMYK	0.29, 0.50, 0.00, 0.19
HSL	265°, 52%, 60%
HSV	265°, 50%, 81%
XYZ	27.8367, 20.1443, 60.9641
YIQ	127.0120, -7.1600, 41.6720

Conversions

Conversions Part 2

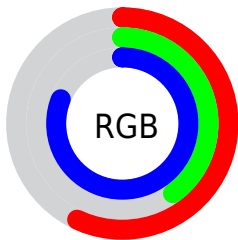
Format	Color
R _Y B	146, 102, 206
Decimal	9594574
CIE Lab	52.00, 38.94, -47.60
CIE LCh	52, 61.500, 309.286
Yxy	20.1443, 0.2555, 0.1849
Android (android.graphics.Color)	4287784654 (0xFF9266CE)
YUV	127.0120, 38.9411, 16.6525
Hunter-Lab	44.8824, 32.1640, -49.1163

Details

The CIELCh color $52, 61.500, 309.286$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $78, 56.229, 123.913$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 57.162, 310.281$, and $32, 61.539, 309.384$ is the 20% darker color. If you saturate the color by 10%, you get $46, 73.912, 309.903$, and if you desaturate by 10%, it is $58, 48.871, 308.636$.

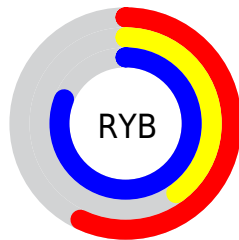
Distribution



Red (57%)

Green (40%)

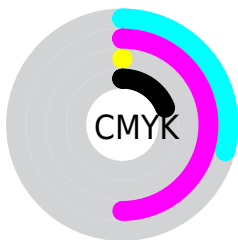
Blue (81%)



Red (57%)

Yellow (40%)

Blue (81%)

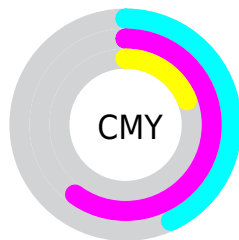


Cyan (29%)

Magenta (50%)

Yellow (0%)

Black (19%)



Cyan (43%)


Magenta (60%)


Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 61.500, 309.286 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 52, 61.500, 309.286 by changing the saturation by 10% instead.


 52, 61.500,
309.286


 52, 61.500,
309.286


 100, 61.500,
309.286


 42, 61.500,
309.286


 72, 61.500,
309.286

 32, 61.500,
309.286

 82, 61.500,
309.286

 22, 61.500,
309.286

 92, 61.500,
309.286

 12, 61.500,
309.286

 2, 61.500, 309.286

 0, 61.500, 309.286

52, 61.500,
309.286

52, 61.500,
309.286

46, 73.912,
309.903

58, 48.871,
308.636

41, 85.591,
310.410

64, 36.332,
307.997

37, 95.752,
310.697

70, 24.046,
307.397

33, 103.422,
310.625

76, 12.094,
306.846

31, 108.178,
310.213

83, 0.509, 306.176

89, 10.703,
125.934

95, 21.548,
125.546

98, 25.188,
119.852

■ 99, 24.629,
109.790

Harmonies

Complementary

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



52, 61.500, 309.286



78, 56.229, 123.913

Rectangle

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



52, 61.500, 309.286



52, 61.500, 359.286



52, 61.500, 129.286



52, 61.500, 179.286

Sweetspot

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



52, 61.499, 309.286



89, 20.798, 307.101



65, 29.205, 254.844



46, 14.236, 307.220



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 61.499, 309.286



56, 88.601, 309.978



58, 65.023, 324.529



40, 6.504, 306.790



24, 91.784, 310.382



2, 24.225, 303.915

Inverse Universe

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



57, 50.034, 344.549



65, 69.749, 346.141



75, 64.817, 138.611



40, 5.598, 340.416



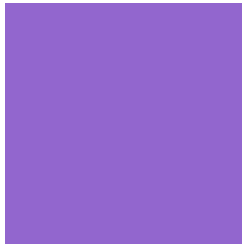
36, 62.781, 354.622



4, 20.803, 348.640

Previews

White Background



This preview shows how the CIELCh color 52, 61.500, 309.286 looks on a white background.

Color Contrast Check

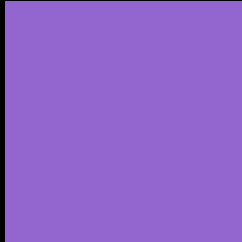
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 61.500, 309.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

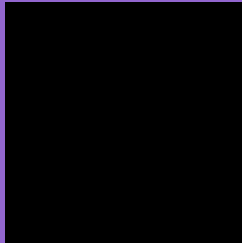
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 61.500, 309.286

Background



This preview shows how black text looks on a background with the CIELCh color 52, 61.500, 309.286.

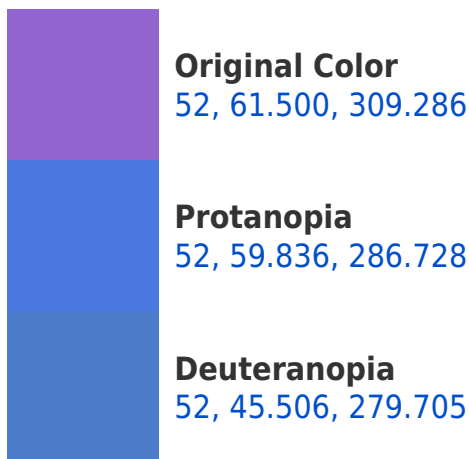


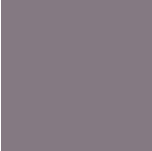
This preview shows how white text looks on a background with the CIELCh color 52, 61.500, 309.286.

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
52, 6.839, 330.359

Trichromacy



Original Color
52, 61.500, 309.286

Protanomaly
52, 60.219, 293.756

Deuteranomaly
52, 50.473, 291.442

Tritanomaly
52, 27.054, 311.138

Monochromacy



Original Color
52, 61.500, 309.286

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 22.939, 307.525

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 61.500, 309.286 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(146, 102, 206)` looks like.

```
.text, #text, p{  
    color:rgb(146, 102, 206)  
}
```

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(146, 102, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 102, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 61.500, 309.286 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(146, 102, 206) }
```

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

```
.border{ border-color:rgb(146, 102, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 102, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 102, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 102, 206); box-shadow:4px 4px 4px 4px rgb(146, 102, 206) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 61.500, 309.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 102, 206) }
```

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

```
.background{ background-color: rgb(146,  
102, 206) }
```

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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