

Converting Colors

CIELCh(52, 64.781, 318.065)

Have a look what the booklet for
CIELCh(52, 64.781, 318.065)
contains.

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Color

CIELCh(52, 64.556, 318.149)

Conversions

Conversions Part 1

Format	Color
Hex	A85DC7
RGB	168, 93, 199
RGB Percent	66%, 36%, 78%
CMY	0.3428, 0.6368, 0.2212
CMYK	0.16, 0.53, 0.00, 0.22
HSL	282°, 48%, 57%
HSV	282°, 53%, 78%
XYZ	30.2007, 20.1443, 56.0758
YIQ	127.5090, 10.6740, 48.8660

Conversions

Conversions Part 2

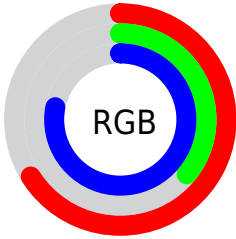
Format	Color
R_{YB}	168, 93, 199
Decimal	11034055
CIE _{Lab}	52.00, 48.09, -43.07
CIE _{LCh}	52, 64.556, 318.149
Yxy	20.1443, 0.2838, 0.1893
Android (android.graphics.Color)	4289224135 (0xFFA85DC7)
YUV	127.5090, 35.2451, 35.5106
Hunter-Lab	44.8824, 41.5658, -42.6588

Details

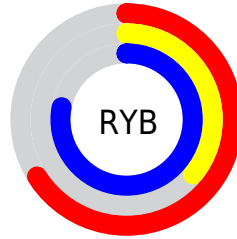
The CIELCh color **52, 64.556, 318.149** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **73, 62.253, 133.236**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 63.925, 318.342**, and **32, 64.443, 318.219** is the 20% darker color. If you saturate the color by 10%, you get **48, 75.442, 318.397**, and if you desaturate by 10%, it is **57, 52.788, 317.799**.

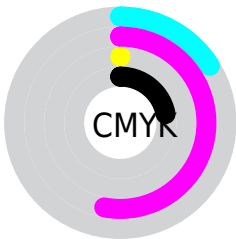
Distribution



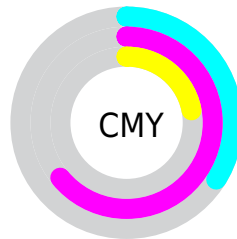
- Red (66%)
- Green (36%)
- Blue (78%)



- Red (66%)
- Yellow (36%)
- Blue (78%)



- Cyan (16%)
- Magenta (53%)
- Yellow (0%)
- Black (22%)





- Cyan (34%)
- Magenta (64%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 64.556, 318.149 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, 64.556, 318.149 by changing the saturation by 10% instead.


 52, 64.556,
318.149

 52, 64.556,
318.149


 100, 64.556,
318.149


 42, 64.556,
318.149


 72, 64.556,
318.149

 32, 64.556,
318.149

 82, 64.556,
318.149

 22, 64.556,
318.149

 92, 64.556,
318.149

 12, 64.556,
318.149

 2, 64.556, 318.149

 0, 64.556, 318.149

52, 64.556,
318.149

52, 64.556,
318.149

48, 75.442,
318.397

57, 52.788,
317.799

44, 84.877,
318.487

62, 40.588,
317.392

41, 92.235,
318.356

67, 28.266,
316.958

38, 97.022,
317.945

73, 16.026,
316.519


37, 99.087,
317.555

78, 3.993, 316.063

84, 7.761, 135.731

89, 19.200,
135.344

95, 30.310,
134.997

 96, 31.462,
132.244

Harmonies

Complementary

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



52, 64.556, 318.149



73, 62.253, 133.236

Rectangle

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



52, 64.556, 318.149



52, 64.556, 8.149



52, 64.556, 138.149



52, 64.556, 188.149

Sweetspot

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



52, 64.554, 318.149



89, 23.575, 316.645



53, 43.320, 283.497



46, 15.947, 316.737



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, 64.554, 318.149



60, 93.015, 318.424



55, 58.798, 334.092



39, 6.783, 316.344



30, 85.594, 317.687



3, 23.603, 314.277

Inverse Universe

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



53, 45.479, 3.918



62, 65.910, 6.885



72, 59.083, 145.646



39, 4.600, 357.307



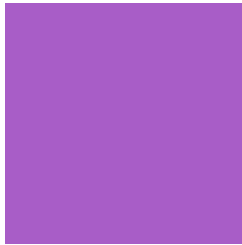
34, 62.823, 21.196



4, 16.489, 4.604

Previews

White Background



This preview shows how the CIELCh color 52, 64.556, 318.149 looks on a white background.

Color Contrast Check

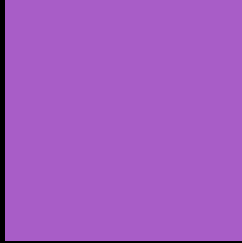
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.556, 318.149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

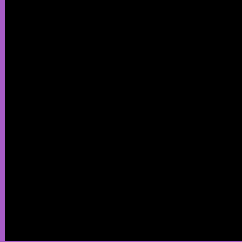
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 64.556, 318.149

Background



This preview shows how black text looks on a background with the CIELCh color 52, 64.556, 318.149.

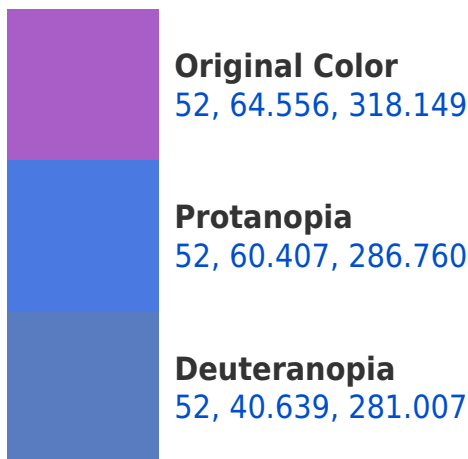



This preview shows how white text looks on a background with the CIELCh color 52, 64.556, 318.149.

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](#).

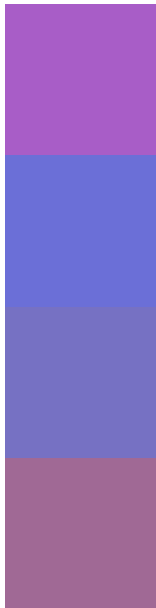
Dichromacy





Tritanopia
52, 18.897, 5.908

Trichromacy



Original Color
52, 64.556, 318.149

Protanomaly
51, 60.333, 296.199

Deuteranomaly
51, 47.761, 297.629

Tritanomaly
52, 32.728, 332.707

Monochromacy



Original Color
52, 64.556, 318.149

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 25.026, 317.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 64.556, 318.149 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(168, 93, 199)` looks like.

```
.text, #text, p{  
    color:rgb(168, 93, 199)  
}
```

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(168, 93, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 93, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 64.556, 318.149 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(168, 93, 199) }
```

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

```
.border{ border-color:rgb(168, 93, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 93, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 93, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 93, 199);  
box-shadow:4px 4px 4px 4px rgb(168, 93,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 64.556, 318.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 93, 199) }
```

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

```
.background{ background-color: rgb(168, 93,  
199) }
```

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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