

Converting Colors

CIELCh(64, 53.692, 300.142)

Have a look what the booklet for
CIELCh(64, 53.692, 300.142)
contains.

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Color

CIELCh(64, 53.836, 300.288)

Conversions

Conversions Part 1

Format	Color
Hex	9D8EEE
RGB	157, 142, 238
RGB Percent	62%, 56%, 93%
CMY	0.3833, 0.4422, 0.0656
CMYK	0.34, 0.40, 0.00, 0.07
HSL	249°, 74%, 75%
HSV	249°, 40%, 93%
XYZ	39.1368, 32.8017, 85.3657
YIQ	157.4290, -21.8760, 33.0360

Conversions

Conversions Part 2

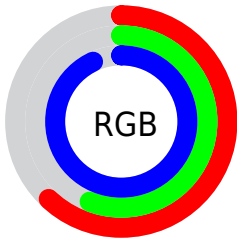
Format	Color
R_{YB}	157, 142, 238
Decimal	10325742
CIE _{Lab}	64.00, 27.15, -46.49
CIE _{LCh}	64, 53.836, 300.288
Yxy	32.8017, 0.2488, 0.2085
Android (android.graphics.Color)	4288515822 (0xFF9D8EEE)
YUV	157.4290, 39.7215, -0.3762
Hunter-Lab	57.2727, 21.7491, -48.2815

Details

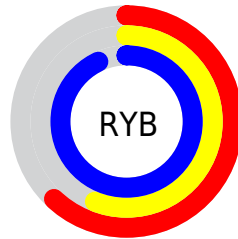
The CIELCh color **64, 53.836, 300.288** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91, 48.735, 113.331**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 31.984, 303.502**, and **44, 53.864, 300.161** is the 20% darker color. If you saturate the color by 10%, you get **57, 68.417, 301.632**, and if you desaturate by 10%, it is **71, 39.693, 299.084**.

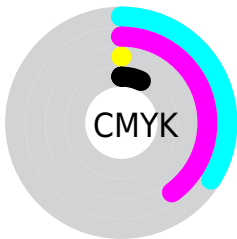
Distribution



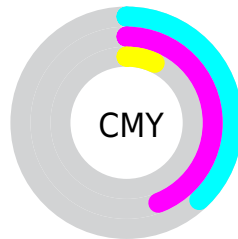
- Red (62%)
- Green (56%)
- Blue (93%)



- Red (62%)
- Yellow (56%)
- Blue (93%)



- Cyan (34%)
- Magenta (40%)
- Yellow (0%)
- Black (7%)



- Cyan (38%)
- Magenta (44%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 53.836, 300.288 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 64, 53.836, 300.288 by changing the saturation by 10% instead.

 64, 53.836,
300.288

 64, 53.836,
300.288

 100, 53.836,
300.288

 54, 53.836,
300.288

 84, 53.836,
300.288

 44, 53.836,
300.288

 94, 53.836,
300.288

 34, 53.836,
300.288

 24, 53.836,
300.288

 14, 53.836,
300.288

 4, 53.836, 300.288

 0, 53.836, 300.288

■ 64, 53.836,
300.288

■ 64, 53.836,
300.288

■ 57, 68.417,
301.632

■ 71, 39.693,
299.084

■ 50, 83.202,
303.073

■ 79, 26.069,
298.028

■ 43, 97.632,
304.510

■ 86, 12.972,
297.114

■ 37, 110.610,
305.760

■ 94, 0.382, 296.343

■ 33, 120.455,
306.573

■ 100, 8.468,
109.535

■ 31, 125.992,
306.843

Harmonies

Complementary

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



64, 53.836, 300.288



91, 48.735, 113.331

Rectangle

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



64, 53.836, 300.288



64, 53.836, 350.288



64, 53.836, 120.288



64, 53.836, 170.288

Sweetspot

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



64, 53.835, 300.288



91, 16.020, 297.264



85, 25.959, 214.964



47, 10.653, 297.379



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 53.835, 300.288



62, 68.731, 301.337



68, 56.381, 315.884



46, 7.179, 297.045



23, 103.489, 306.932



3, 38.242, 302.380

Inverse Universe

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



72, 54.307, 331.569



72, 67.451, 332.083



88, 54.338, 132.188



47, 7.727, 329.597



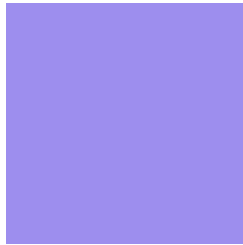
42, 79.917, 335.612



9, 35.476, 334.432

Previews

White Background



This preview shows how the CIELCh color 64, 53.836, 300.288 looks on a white background.

Color Contrast Check

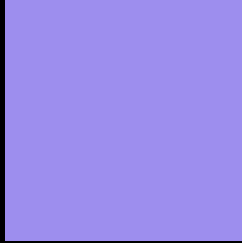
Large Text (above 18pt) WCAG AA × Fail

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 64, 53.836, 300.288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

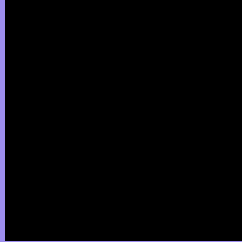
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 53.836, 300.288

Background



This preview shows how black text looks on a background with the CIELCh color 64, 53.836, 300.288.



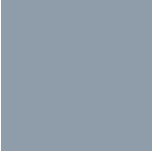
This preview shows how white text looks on a background with the CIELCh color 64, 53.836, 300.288.

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
64, 8.502, 251.245

Trichromacy



Original Color
64, 53.836, 300.288

Protanomaly
64, 53.484, 291.120

Deuteranomaly
64, 48.556, 288.744

Tritanomaly
64, 23.459, 289.338

Monochromacy



Original Color
64, 53.836, 300.288

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 19.688, 298.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 53.836, 300.288 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(157, 142, 238)` looks like.

```
.text, #text, p{  
    color:rgb(157, 142, 238)  
}
```

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(157, 142, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 142, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 53.836, 300.288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

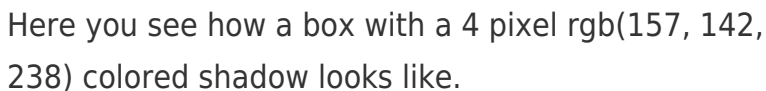
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 142, 238) }
```

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

```
.border{ border-color:rgb(157, 142, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 142, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 142, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 142, 238); box-shadow:4px 4px 4px 4px rgb(157, 142, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 53.836, 300.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 142, 238) }
```

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

```
.background{ background-color: rgb(157,  
142, 238) }
```

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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