

Converting Colors

CIELCh(52, 65.875, 304.575)

Have a look what the booklet for
CIELCh(52, 65.875, 304.575)
contains.

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Color

CIELCh(52, 65.800, 304.551)

Conversions

Conversions Part 1

Format	Color
Hex	8669DA
RGB	134, 105, 218
RGB Percent	53%, 41%, 85%
CMY	0.4756, 0.5892, 0.1462
CMYK	0.39, 0.52, 0.00, 0.15
HSL	255°, 60%, 63%
HSV	255°, 52%, 85%
XYZ	27.4304, 20.1443, 68.5763
YIQ	126.5530, -18.9890, 41.2910

Conversions

Conversions Part 2

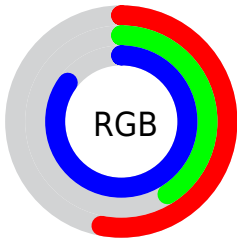
Format	Color
RYB	134, 105, 218
Decimal	8808922
CIELab	52.00, 37.32, -54.19
CIElCh	52, 65.800, 304.551
Yxy	20.1443, 0.2362, 0.1734
Android (android.graphics.Color)	4286999002 (0xFF8669DA)
YUV	126.5530, 45.0834, 6.5310
Hunter-Lab	44.8824, 30.5480, -59.1720

Details

The CIELCh color **52, 65.800, 304.551** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **83, 58.173, 117.045**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 54.684, 306.087**, and **32, 65.428, 304.462** is the 20% darker color. If you saturate the color by 10%, you get **46, 79.247, 305.618**, and if you desaturate by 10%, it is **59, 52.349, 303.514**.

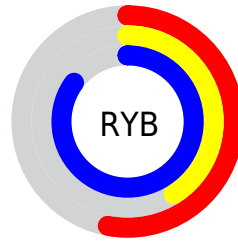
Distribution



Red (53%)

Green (41%)

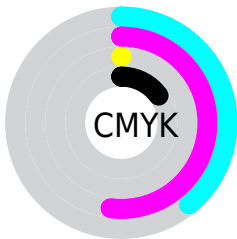
Blue (85%)



Red (53%)

Yellow (41%)

Blue (85%)

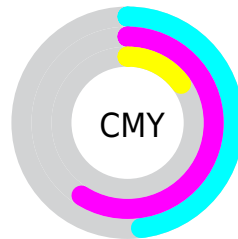


Cyan (39%)

Magenta (52%)

Yellow (0%)

Black (15%)



Cyan (48%)

Magenta (59%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 65.800, 304.551 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, 65.800, 304.551 by changing the saturation by 10% instead.

■ 52, 65.800,
304.551

■ 52, 65.800,
304.551

■ 100, 65.800,
304.551

■ 42, 65.800,
304.551

■ 72, 65.800,
304.551

■ 32, 65.800,
304.551

■ 82, 65.800,
304.551

■ 22, 65.800,
304.551

■ 92, 65.800,
304.551

■ 12, 65.800,
304.551

■ 2, 65.800, 304.551

■ 0, 65.800, 304.551

52, 65.800,
304.551

52, 65.800,
304.551

46, 79.247,
305.618

59, 52.349,
303.514

40, 92.124,
306.618

65, 39.178,
302.554

35, 103.441,
307.395

72, 26.409,
301.692

31, 111.839,
307.748

79, 14.083,
300.931

29, 116.202,
307.719

86, 2.203, 300.255

92, 9.248, 119.700

99, 19.110,
117.537

99, 18.850,
108.751

Harmonies

Complementary

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



52, 65.800, 304.551



83, 58.173, 117.045

Rectangle

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



52, 65.800, 304.551



52, 65.800, 354.551



52, 65.800, 124.551



52, 65.800, 174.551

Sweetspot

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



52, 65.799, 304.551



88, 21.718, 301.243



73, 28.450, 230.813



45, 14.719, 301.402



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, 65.799, 304.551



53, 90.290, 305.688



58, 68.061, 319.435



42, 6.736, 300.760



22, 97.887, 307.843



2, 30.055, 301.207

Inverse Universe

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



60, 59.516, 336.390



65, 78.144, 337.350



80, 66.181, 134.466



43, 6.689, 333.170



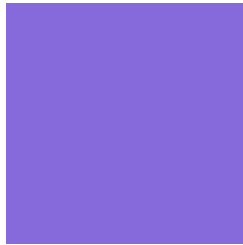
39, 71.221, 341.717



6, 28.862, 338.871

Previews

White Background



This preview shows how the CIELCh color 52, 65.800, 304.551 looks on a white background.

Color Contrast Check

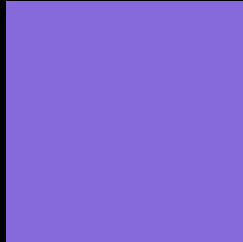
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 65.800, 304.551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

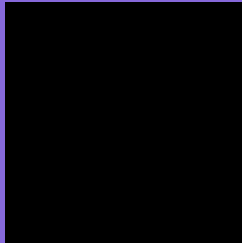
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 65.800, 304.551

Background



This preview shows how black text looks on a background with the CIELCh color 52, 65.800, 304.551.



This preview shows how white text looks on a background with the CIELCh color 52, 65.800, 304.551.

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](#).

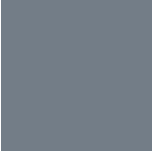
Dichromacy



Original Color
52, 65.800, 304.551

Protanopia
52, 65.591, 287.293

Deuteranopia
52, 52.182, 278.938



Tritanopia
52, 6.853, 257.399

Trichromacy



Original Color
52, 65.800, 304.551



Protanomaly
52, 65.414, 292.549



Deuteranomaly
52, 56.419, 288.260



Tritanomaly
52, 27.452, 296.402

Monochromacy



Original Color
52, 65.800, 304.551



Achromatopsia
53, 0.007, 296.813



Achromatomaly
52, 24.265, 302.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 65.800, 304.551 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(134, 105, 218)` looks like.

```
.text, #text, p{  
    color:rgb(134, 105, 218)  
}
```

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(134, 105, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 105, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 65.800, 304.551 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(134, 105, 218) }
```

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

```
.border{ border-color:rgb(134, 105, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 105, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 105, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 105, 218);  
box-shadow:4px 4px 4px 4px rgb(134, 105,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 65.800, 304.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 105, 218) }
```

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

```
.background{ background-color: rgb(134,  
105, 218) }
```

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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