Converting Colors

CIELCh(52, 69.324, 307.646)

Have a look what the booklet for CIELCh(52, 69.324, 307.646) contains.

Color

CIELCh(52, 69.572, 307.751)

Conversions

Conversions Part 1

Format	Color
Hex	8F64DB
RGB	143, 100, 219
RGB Percent	56%, 39%, 86%
CMY	0.4383, 0.6070, 0.1402
CMYK	0.35, 0.54, 0.00, 0.14
HSL	262°, 62%, 63%
HSV	262°, 54%, 86%
XYZ	28.7656, 20.1443, 69.5587
YIQ	126.4230, -12.5710, 46.1250

Conversions

Conversions Part 2

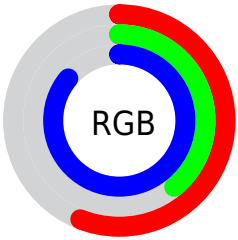
Format	Color
RYB	143, 100, 219
Decimal	9397467
CIELab	52.00, 42.59, -55.01
CIELCh	52, 69.572, 307.751
Yxy	20.1443, 0.2428, 0.1700
Android (android.graphics.Color)	4287587547 (0xFF8F64DB)
YUV	126.4230, 45.6405, 14.5380
Hunter-Lab	44.8824, 35.8581, -60.4698

Details

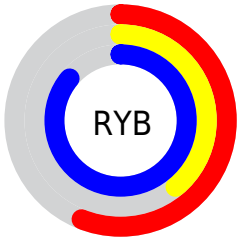
The CIELCh color 52, 69.572, 307.751 is a light color, and the websafe version is hex 9966CC. A complement of this color would be 82, 62.260, 121.341, and the grayscale version is 53, 0.007, 296.813.

A 20% lighter version of the original color is 71, 58.276, 310.032, and 32, 69.435, 307.703 is the 20% darker color. If you saturate the color by 10%, you get 46, 82.630, 308.489, and if you desaturate by 10%, it is 58, 56.216, 306.976.

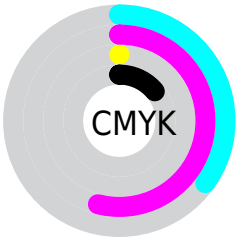
Distribution



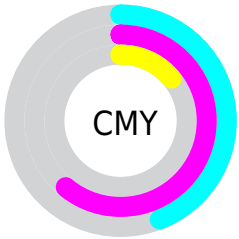
- Red (56%)
- Green (39%)
- Blue (86%)



- Red (56%)
- Yellow (39%)
- Blue (86%)



- Cyan (35%)
- Magenta (54%)
- Yellow (0%)
- Black (14%)



- Cyan (44%)
- Magenta (61%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 69.572, 307.751 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, 69.572, 307.751 by changing the saturation by 10% instead.

52, 69.572, 307.751

52, 69.572, 307.751

100, 69.572, 307.751

42, 69.572, 307.751

72, 69.572, 307.751

32, 69.572, 307.751

82, 69.572, 307.751

22, 69.572, 307.751

92, 69.572, 307.751

12, 69.572, 307.751

2, 69.572, 307.751

0, 69.572, 307.751

52, 69.572, 307.751

46, 82.630, 308.489

41, 94.732, 309.091

36, 104.882, 309.418

33, 111.932, 309.308

31, 114.723, 309.102

52, 69.572, 307.751

58, 56.216, 306.976

65, 42.944, 306.221

71, 29.953, 305.517

78, 17.334, 304.877

85, 5.122, 304.299

91, 6.679, 123.824

98, 18.078, 123.380

99, 18.080, 108.810

Harmonies

Complementary

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

52, 69.572, 307.751

82, 62.260, 121.341

Rectangle

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

52, 69.572, 307.751

52, 69.572, 357.751

52, 69.572, 127.751

52, 69.572, 177.751

Sweetspot

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

52, 69.571, 307.751

88, 22.007, 304.990

69, 30.820, 246.629

45, 14.909, 305.120

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, 69.571, 307.751

53, 94.408, 308.575

59, 72.250, 322.613

43, 6.833, 304.590

24, 96.114, 309.262

3, 30.421, 304.314

Inverse Universe

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

59, 58.201, 341.698

64, 75.758, 343.136

79, 71.425, 136.786

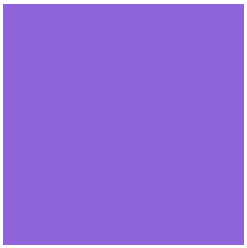
43, 6.206, 337.532

38, 66.746, 349.527

6, 26.945, 344.938

Previews

White Background

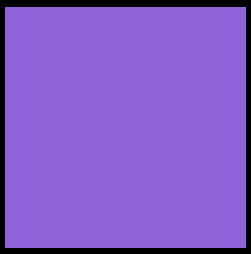


This preview shows how the CIELCh color 52, 69.572, 307.751 looks on a white background.

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



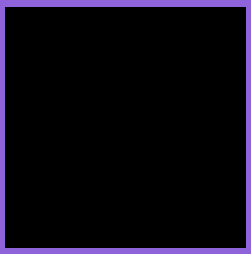
This preview shows how the CIELCh color 52, 69.572, 307.751 looks on a black background.

Color Contrast Check

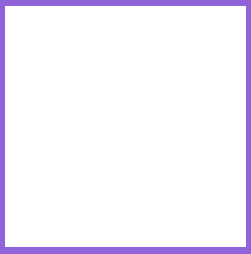
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 52, 69.572, 307.751 Background



This preview shows how black text looks on a background with the CIELCh color 52, 69.572, 307.751.

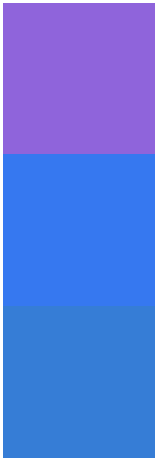


This preview shows how white text looks on a background with the CIELCh color 52, 69.572, 307.751.

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



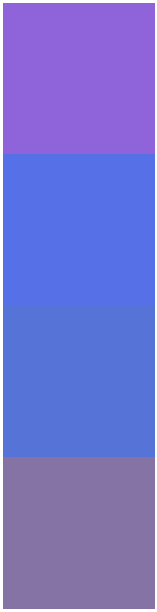
Original Color
52, 69.572, 307.751

Protanopia
52, 69.560, 287.590

Deuteranopia
52, 52.739, 279.107

Tritanopia
52, 5.302, 299.285

Trichromacy



Original Color
52, 69.572, 307.751

Protanomaly
51, 68.853, 292.965

Deuteranomaly
51, 58.137, 289.722

Tritanomaly
52, 29.274, 305.372

Monochromacy

Original Color
52, 69.572, 307.751

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 26.322, 305.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 69.572, 307.751 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(143, 100, 219) looks like.

```
.text, #text, p{
    color:rgb(143, 100, 219)
}
```

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(143, 100, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 100, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 69.572, 307.751 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(143, 100, 219) }
```

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

```
.border{ border-color:rgb(143, 100, 219) }
```

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

Here you see how a box with a 4 pixel rgb(143, 100, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 100, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 100, 219); box-shadow:4px 4px 4px 4px rgb(143, 100, 219) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 69.572, 307.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(143, 100, 219) }
```

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

```
.background{ background-color:rgb(143,
100, 219) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor