

Converting Colors

CIELCh(52, 96.587, 308.451)

Have a look what the booklet for
CIELCh(52, 96.587, 308.451)
contains.

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Color

CIELCh(52, 96.237, 308.498)

Conversions

Conversions Part 1

Format	Color
Hex	9356FF
RGB	147, 86, 255
RGB Percent	58%, 34%, 100%
CMY	0.4253, 0.6609, 0.0000
CMYK	0.43, 0.66, 0.00, 0.00
HSL	261°, 100%, 67%
HSV	261°, 66%, 100%
XYZ	33.4494, 20.1443, 97.1771
YIQ	123.5050, -17.8930, 65.4910

Conversions

Conversions Part 2

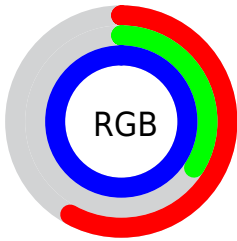
Format	Color
R _Y B	147, 86, 255
Decimal	9656063
CIE _{Lab}	52.00, 59.91, -75.32
CIE _{LCh}	52, 96.237, 308.498
Y _{xy}	20.1443, 0.2219, 0.1336
Android (android.graphics.Color)	4287846143 (0xFF9356FF)
Y _{UV}	123.5050, 64.8270, 20.6051
Hunter-Lab	44.8824, 54.4860, -96.9539

Details

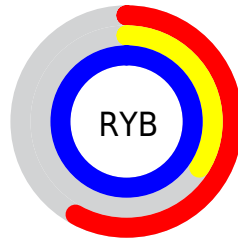
The CIELCh color **52, 96.237, 308.498** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **93, 83.087, 120.838**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 66.716, 314.100**, and **32, 96.331, 308.728** is the 20% darker color. If you saturate the color by 10%, you get **46, 109.272, 309.092**, and if you desaturate by 10%, it is **59, 81.358, 307.785**.

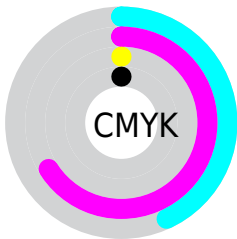
Distribution



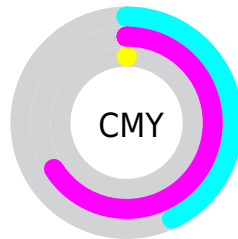
- Red (58%)
- Green (34%)
- Blue (100%)



- Red (58%)
- Yellow (34%)
- Blue (100%)



- Cyan (43%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 96.237, 308.498 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, 96.237, 308.498 by changing the saturation by 10% instead.


 52, 96.237,
308.498


 52, 96.237,
308.498

 100, 96.237,
308.498


 42, 96.237,
308.498

 72, 96.237,
308.498

 32, 96.237,
308.498

 82, 96.237,
308.498

 22, 96.237,
308.498

 92, 96.237,
308.498

 12, 96.237,
308.498

 2, 96.237, 308.498

 0, 96.237, 308.498

52, 96.237,
308.498

52, 96.237,
308.498

46, 109.272,
309.092

59, 81.358,
307.785

41, 120.025,
309.341

66, 66.277,
306.993

38, 126.954,
309.110

73, 51.226,
306.213

37, 128.845,
308.939

80, 36.466,
305.483

88, 22.121,
304.819

95, 8.237, 304.221

100, 0.012,
296.813

Harmonies

Complementary

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



52, 96.237, 308.498



93, 83.087, 120.838

Rectangle

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



52, 96.237, 308.498



52, 96.237, 358.498



52, 96.237, 128.498



52, 96.237, 178.498

Sweetspot

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



52, 95.974, 308.521



85, 27.674, 305.070



75, 40.545, 250.478



43, 18.969, 305.258



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, 95.974, 308.521



45, 112.724, 309.205



62, 96.054, 322.900



49, 7.730, 304.418



27, 103.558, 309.112



5, 44.845, 309.078

Inverse Universe

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



63, 76.877, 343.005



59, 85.164, 345.069



90, 95.315, 135.890



50, 7.051, 337.320



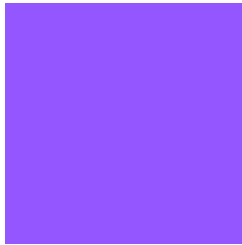
42, 71.881, 349.324



11, 33.899, 345.957

Previews

White Background



This preview shows how the CIELCh color 52, 96.237, 308.498 looks on a white background.

Color Contrast Check

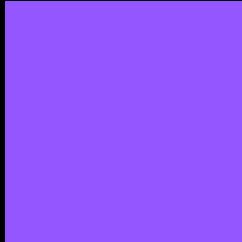
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.237, 308.498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

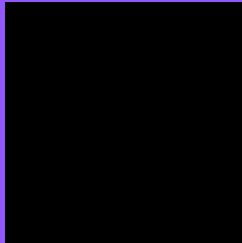
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 96.237, 308.498

Background



This preview shows how black text looks on a background with the CIELCh color 52, 96.237, 308.498.



This preview shows how white text looks on a background with the CIELCh color 52, 96.237, 308.498.

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, 96.215, 308.647

Protanopia

52, 77.132, 287.570

Deuteranopia

52, 55.237, 275.632



Tritanopia
52, 6.200, 269.235

Trichromacy



Original Color
52, 96.215, 308.647



Protanomaly
50, 84.605, 293.558



Deuteranomaly
50, 70.084, 289.148



Tritanomaly
51, 40.272, 303.363

Monochromacy



Original Color
52, 96.215, 308.647



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 37.096, 306.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 96.237, 308.498 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(147, 86, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 86, 255)  
}
```

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(147, 86, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 86, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 96.237, 308.498 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(147, 86, 255) }
```

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

```
.border{ border-color:rgb(147, 86, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 86, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 86, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 86, 255); box-shadow:4px 4px 4px 4px rgb(147, 86, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 96.237, 308.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 86, 255) }
```

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

```
.background{ background-color: rgb(147, 86,  
255) }
```

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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