

Converting Colors

CIELCh(53, 98.458, 311.627)

Have a look what the booklet for
CIELCh(53, 98.458, 311.627)
contains.

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Color

CIELCh(53, 98.437, 311.783)

Conversions

Conversions Part 1

Format	Color
Hex	A451FF
RGB	164, 81, 255
RGB Percent	64%, 32%, 100%
CMY	0.3562, 0.6818, 0.0000
CMYK	0.36, 0.68, 0.00, 0.00
HSL	269°, 100%, 66%
HSV	269°, 68%, 100%
XYZ	36.3715, 21.0462, 96.8868
YIQ	125.6530, -6.3860, 71.7100

Conversions

Conversions Part 2

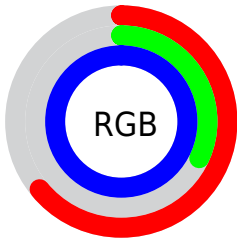
Format	Color
RYB	164, 81, 255
Decimal	10768895
CIELab	53.00, 65.59, -73.40
CIELCh	53, 98.437, 311.783
Yxy	21.0462, 0.2357, 0.1364
Android (android.graphics.Color)	4288958975 (0xFFA451FF)
YUV	125.6530, 63.7681, 33.6303
Hunter-Lab	45.8761, 61.2350, -93.1026

Details

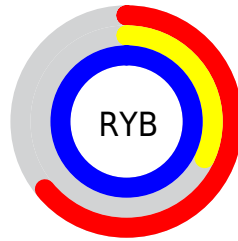
The CIELCh color **53, 98.437, 311.783** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **92, 87.950, 125.509**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 69.807, 318.948**, and **33, 98.307, 311.731** is the 20% darker color. If you saturate the color by 10%, you get **48, 110.316, 311.998**, and if you desaturate by 10%, it is **59, 84.617, 311.376**.

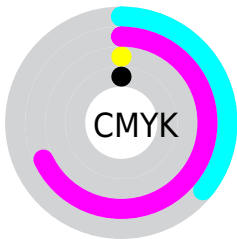
Distribution



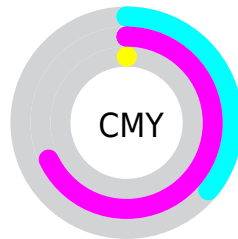
- Red (64%)
- Green (32%)
- Blue (100%)



- Red (64%)
- Yellow (32%)
- Blue (100%)



- Cyan (36%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 98.437, 311.783 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 53, 98.437, 311.783 by changing the saturation by 10% instead.


 53, 98.437,
311.783


 53, 98.437,
311.783


 100, 98.437,
311.783


 43, 98.437,
311.783


 73, 98.437,
311.783

 33, 98.437,
311.783

 83, 98.437,
311.783

 23, 98.437,
311.783

 93, 98.437,
311.783

 13, 98.437,
311.783

 3, 98.437, 311.783

 0, 98.437, 311.783

■ 53, 98.437,
311.783

■ 53, 98.437,
311.783

■ 48, 110.316,
311.998

■ 59, 84.617,
311.376

■ 44, 119.407,
311.861

■ 66, 69.976,
310.845

■ 41, 124.871,
311.294

■ 73, 55.037,
310.270

■ 40, 125.666,
311.176

■ 80, 40.165,
309.697

■ 87, 25.563,
309.152

■ 94, 11.335,
308.643

■ 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.



53, 98.437, 311.783



92, 87.950, 125.509

Rectangle

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



53, 98.437, 311.783



53, 98.437, 1.783



53, 98.437, 131.783



53, 98.437, 181.783

Sweetspot

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



53, 98.360, 311.795



85, 28.198, 309.248



69, 48.250, 267.303



43, 19.313, 309.400



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 98.360, 311.795



46, 114.188, 311.993



64, 98.961, 326.666



49, 7.895, 308.709



29, 101.020, 311.371



6, 44.917, 312.261

Inverse Universe

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



62, 73.657, 350.920



58, 81.573, 354.349



89, 100.255, 137.746



50, 6.480, 343.201



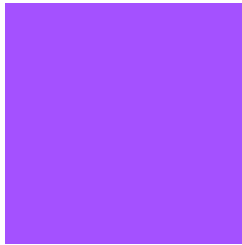
41, 68.540, 359.985



11, 32.099, 354.739

Previews

White Background



This preview shows how the CIELCh color 53, 98.437, 311.783 looks on a white background.

Color Contrast Check

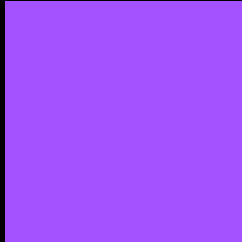
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 98.437, 311.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

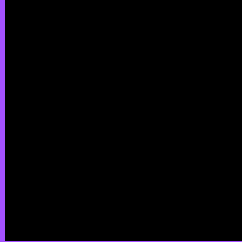
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 98.437, 311.783

Background



This preview shows how black text looks on a background with the CIELCh color 53, 98.437, 311.783.

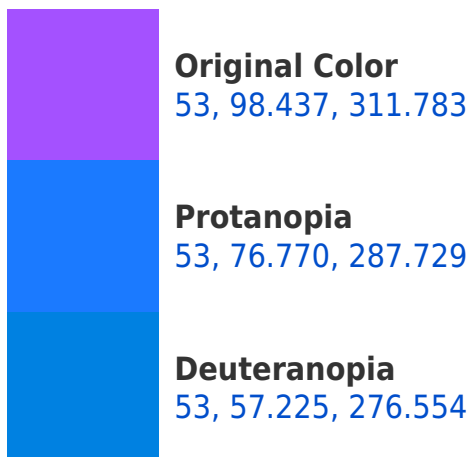



This preview shows how white text looks on a background with the CIELCh color 53, 98.437, 311.783.

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
53, 9.240, 341.748

Trichromacy



Original Color
53, 98.437, 311.783



Protanomaly
51, 85.285, 295.775



Deuteranomaly
50, 72.151, 290.462



Tritanomaly
52, 42.486, 314.026

Monochromacy



Original Color
53, 98.437, 311.783



Achromatopsia
53, 0.007, 296.813



Achromatomaly
52, 38.193, 310.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 98.437, 311.783 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(164, 81, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 81, 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(164, 81, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 81, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 98.437, 311.783 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(164, 81, 255) }
```

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

```
.border{ border-color:rgb(164, 81, 255) }
```

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

Here you see how a box with a 4 pixel rgb(164, 81, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 81, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 81, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 81,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 98.437, 311.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 81, 255) }
```

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

```
.background{ background-color: rgb(164, 81,  
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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