

Converting Colors

CIELCh(53, 79.812, 303.693)

Have a look what the booklet for
CIELCh(53, 79.812, 303.693)
contains.

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Color

CIELCh(53, 79.926, 303.773)

Conversions

Conversions Part 1

Format	Color
Hex	8367F2
RGB	131, 103, 242
RGB Percent	51%, 40%, 95%
CMY	0.4849, 0.5949, 0.0496
CMYK	0.46, 0.57, 0.00, 0.05
HSL	252°, 85%, 68%
HSV	252°, 57%, 95%
XYZ	30.3750, 21.0462, 86.7412
YIQ	127.2180, -27.9310, 49.1650

Conversions

Conversions Part 2

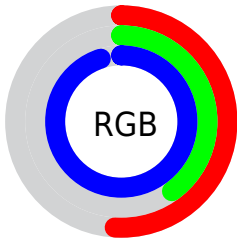
Format	Color
RYB	131, 103, 242
Decimal	8611826
CIELab	53.00, 44.43, -66.44
CIElCh	53, 79.926, 303.773
Yxy	21.0462, 0.2198, 0.1523
Android (android.graphics.Color)	4286801906 (0xFF8367F2)
YUV	127.2180, 56.5875, 3.3168
Hunter-Lab	45.8761, 37.9032, -79.9905

Details

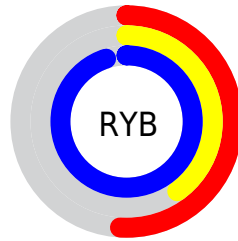
The CIELCh color $53, 79.926, 303.773$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $91, 68.738, 114.349$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 55.875, 306.247$, and $33, 80.229, 303.802$ is the 20% darker color. If you saturate the color by 10%, you get $46, 94.566, 305.034$, and if you desaturate by 10%, it is $60, 65.063, 302.521$.

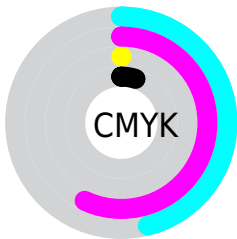
Distribution



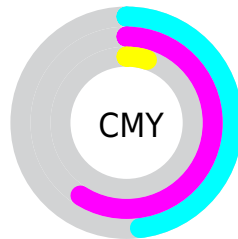
- Red (51%)
- Green (40%)
- Blue (95%)



- Red (51%)
- Yellow (40%)
- Blue (95%)



- Cyan (46%)
- Magenta (57%)
- Yellow (0%)
- Black (5%)





- Cyan (48%)
- Magenta (59%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 79.926, 303.773 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, 79.926, 303.773 by changing the saturation by 10% instead.


 53, 79.926,
303.773


 53, 79.926,
303.773


 100, 79.926,
303.773


 43, 79.926,
303.773


 73, 79.926,
303.773

 33, 79.926,
303.773

 83, 79.926,
303.773

 23, 79.926,
303.773

 93, 79.926,
303.773

 13, 79.926,
303.773

 3, 79.926, 303.773

 0, 79.926, 303.773

53, 79.926,
303.773

53, 79.926,
303.773

46, 94.566,
305.034

60, 65.063,
302.521

40, 108.071,
306.158

68, 50.438,
301.353

36, 118.967,
306.928

75, 36.250,
300.305

33, 125.688,
307.138

83, 22.569,
299.383

32, 127.004,
307.161

90, 9.402, 298.580

98, 3.269, 117.894

100, 6.402,
109.687

Harmonies

Complementary

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



53, 79.926, 303.773



91, 68.738, 114.349

Rectangle

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



53, 79.926, 303.773



53, 79.926, 353.773



53, 79.926, 123.773



53, 79.926, 173.773

Sweetspot

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



53, 79.926, 303.774



87, 22.998, 299.354



81, 33.422, 224.093



44, 15.442, 299.529



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, 79.926, 303.774



48, 100.951, 305.254



60, 81.050, 318.051



47, 7.333, 298.741



24, 104.027, 307.270



4, 40.513, 304.274

Inverse Universe

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



65, 73.211, 334.516



63, 87.273, 335.451



87, 77.873, 132.794



48, 7.613, 331.157



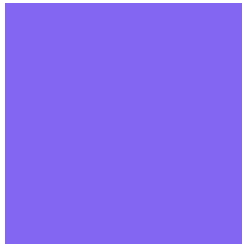
42, 78.011, 338.271



10, 35.385, 336.684

Previews

White Background



This preview shows how the CIELCh color 53, 79.926, 303.773 looks on a white background.

Color Contrast Check

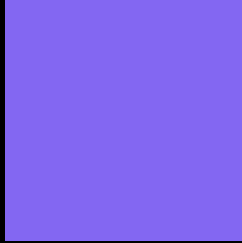
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 79.926, 303.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

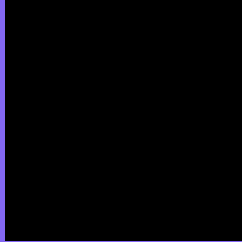
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 79.926, 303.773

Background



This preview shows how black text looks on a background with the CIELCh color 53, 79.926, 303.773.



This preview shows how white text looks on a background with the CIELCh color 53, 79.926, 303.773.

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, 11.177, 233.577

Trichromacy



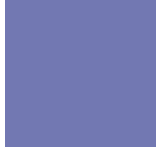
Original Color
53, 79.926, 303.773



Protanomaly
52, 77.821, 291.941



Deuteranomaly
52, 65.346, 285.493



Tritanomaly
52, 33.680, 290.986

Monochromacy



Original Color
53, 79.926, 303.773



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 29.878, 300.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 79.926, 303.773 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(131, 103, 242)` looks like.

```
.text, #text, p{  
    color:rgb(131, 103, 242)  
}
```

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(131, 103, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 103, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 79.926, 303.773 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(131, 103, 242) }
```

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

```
.border{ border-color:rgb(131, 103, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 103, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 103, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 103, 242);  
box-shadow:4px 4px 4px 4px rgb(131, 103,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 79.926, 303.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 103, 242) }
```

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

```
.background{ background-color: rgb(131,  
103, 242) }
```

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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