

Converting Colors

CIELCh(51, 84.045, 310.658)

Have a look what the booklet for
CIELCh(51, 84.045, 310.658)
contains.

CIELCh(51, 84.041, 310.740)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 84.041, 310.740)

Conversions

Conversions Part 1

Format	Color
Hex	9857E8
RGB	152, 87, 232
RGB Percent	60%, 34%, 91%
CMY	0.4046, 0.6594, 0.0908
CMYK	0.35, 0.63, 0.00, 0.09
HSL	267°, 76%, 62%
HSV	267°, 63%, 91%
XYZ	30.8561, 19.2686, 78.3133
YIQ	122.9650, -7.8050, 58.8750

Conversions

Conversions Part 2

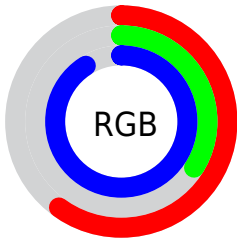
Format	Color
RYB	152, 87, 232
Decimal	9983976
CIELab	51.00, 54.85, -63.68
CIElCh	51, 84.041, 310.740
Yxy	19.2686, 0.2402, 0.1500
Android (android.graphics.Color)	4288174056 (0xFF9857E8)
YUV	122.9650, 53.7543, 25.4637
Hunter-Lab	43.8960, 48.6562, -75.0499

Details

The CIELCh color **51, 84.041, 310.740** 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 **85, 75.325, 124.493**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 66.317, 314.790**, and **31, 84.076, 310.741** is the 20% darker color. If you saturate the color by 10%, you get **46, 96.394, 311.147**, and if you desaturate by 10%, it is **57, 70.627, 310.191**.

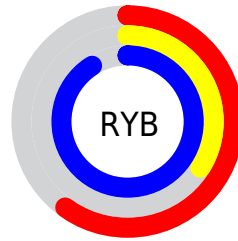
Distribution



Red (60%)

Green (34%)

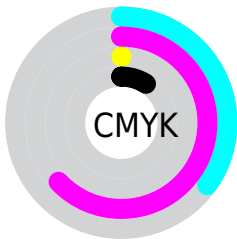
Blue (91%)



Red (60%)

Yellow (34%)

Blue (91%)

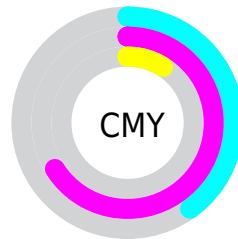


Cyan (35%)

Magenta (63%)

Yellow (0%)

Black (9%)



Cyan (40%)


Magenta (66%)


Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 84.041, 310.740 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 51, 84.041, 310.740 by changing the saturation by 10% instead.

 51, 84.041,
310.740

 51, 84.041,
310.740


 100, 84.041,
310.740


 41, 84.041,
310.740


 71, 84.041,
310.740

 31, 84.041,
310.740

 81, 84.041,
310.740

 21, 84.041,
310.740

 91, 84.041,
310.740

 11, 84.041,
310.740

 1, 84.041, 310.740

 0, 84.041, 310.740

51, 84.041,
310.740

51, 84.041,
310.740

46, 96.394,
311.147

57, 70.627,
310.191

41, 106.758,
311.294

63, 56.806,
309.583

37, 114.100,
311.047

70, 42.978,
308.971

36, 117.601,
310.624

77, 29.370,
308.384

83, 16.098,
307.840

90, 3.214, 307.321

97, 9.263, 126.931

99, 11.732,
110.749

99, 11.725,
109.291

Harmonies

Complementary

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



51, 84.041, 310.740



85, 75.325, 124.493

Rectangle

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



51, 84.041, 310.740



51, 84.041, 0.740



51, 84.041, 130.740



51, 84.041, 180.740

Sweetspot

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



51, 84.040, 310.740



86, 26.616, 308.192



67, 39.519, 260.933



44, 18.395, 308.353



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 84.040, 310.740



49, 107.040, 311.221



60, 85.885, 325.450



45, 7.200, 307.680



27, 96.514, 310.812



4, 35.308, 309.202

Inverse Universe

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



59, 65.028, 347.876



60, 79.177, 350.397



82, 86.259, 137.777



45, 6.063, 341.676



39, 65.675, 357.074



7, 28.193, 351.120

Previews

White Background



This preview shows how the CIELCh color 51, 84.041, 310.740 looks on a white background.

Color Contrast Check

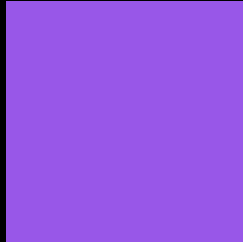
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 84.041, 310.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

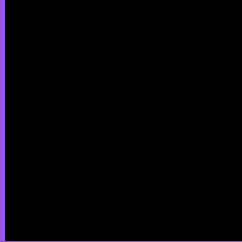
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 84.041, 310.740

Background



This preview shows how black text looks on a background with the CIELCh color 51, 84.041, 310.740.



This preview shows how white text looks on a background with the CIELCh color 51, 84.041, 310.740.

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
51, 8.107, 334.379

Trichromacy



Original Color
51, 84.041, 310.740



Protanomaly
49, 79.781, 292.865



Deuteranomaly
49, 66.339, 288.593



Tritanomaly
50, 36.484, 312.734

Monochromacy



Original Color
51, 84.041, 310.740



Achromatopsia
52, 0.007, 296.813



Achromatomaly
50, 32.156, 308.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 84.041, 310.740 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(152, 87, 232)` looks like.

```
.text, #text, p{  
    color:rgb(152, 87, 232)  
}
```

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(152, 87, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 87, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 84.041, 310.740 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(152, 87, 232) }
```

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

```
.border{ border-color:rgb(152, 87, 232) }
```

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

Here you see how a box with a 4 pixel rgb(152, 87, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 87, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 87, 232);  
box-shadow:4px 4px 4px 4px rgb(152, 87,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 84.041, 310.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 87, 232) }
```

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

```
.background{ background-color: rgb(152, 87,  
232) }
```

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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