

Converting Colors

CIELCh(51, 9.431, 344.796)

Have a look what the booklet for
CIELCh(51, 9.431, 344.796) contains.

CIELCh(51, 9.623, 343.359)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(51, 9.623, 343.359)

Conversions

Conversions Part 1

Format	Color
Hex	87747E
RGB	135, 116, 126
RGB Percent	53%, 45%, 49%
CMY	0.4692, 0.5437, 0.5045
CMYK	0.00, 0.14, 0.07, 0.47
HSL	328°, 8%, 49%
HSV	328°, 14%, 53%
XYZ	20.1249, 19.2686, 22.5179
YIQ	122.8210, 8.1140, 7.1380

Conversions

Conversions Part 2

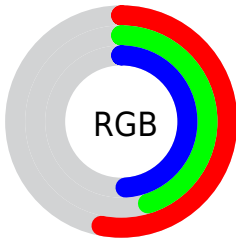
Format	Color
R_{YB}	135, 116, 126
Decimal	8877182
CIE Lab	51.00, 9.22, -2.76
CIE LCh	51, 9.623, 343.359
Yxy	19.2686, 0.3251, 0.3112
Android (android.graphics.Color)	4287067262 (0xFF87747E)
YUV	122.8210, 1.5672, 10.6810
Hunter-Lab	43.8960, 5.0185, 0.3125

Details

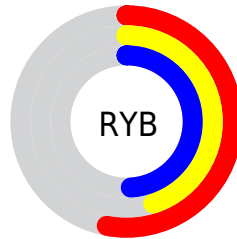
The CIELCh color $51, 9.623, 343.359$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 9.475, 161.164$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 9.656, 341.858$, and $31, 9.405, 343.628$ is the 20% darker color. If you saturate the color by 10%, you get $47, 16.608, 344.275$, and if you desaturate by 10%, it is $55, 2.740, 342.469$.

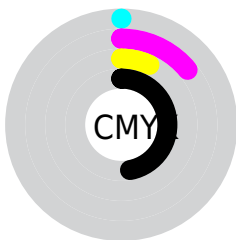
Distribution



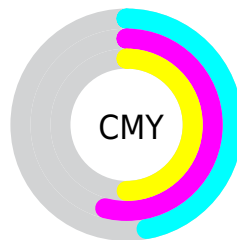
- Red (53%)
- Green (45%)
- Blue (49%)



- Red (53%)
- Yellow (45%)
- Blue (49%)



- Cyan (0%)
- Magenta (14%)
- Yellow (7%)
- Black (47%)



- Cyan (47%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 9.623, 343.359 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, 9.623, 343.359 by changing the saturation by 10% instead.

■ 51, 9.623, 343.359

■ 51, 9.623, 343.359

■ 100, 9.623,
343.359

■ 41, 9.623, 343.359

■ 71, 9.623, 343.359

■ 31, 9.623, 343.359

■ 81, 9.623, 343.359

■ 21, 9.623, 343.359

■ 91, 9.623, 343.359

■ 11, 9.623, 343.359

■ 1, 9.623, 343.359

■ 0, 9.623, 343.359

■ 51, 9.623, 343.359

■ 51, 9.623, 343.359

■ 47, 16.608,
344.275

■ 55, 2.740, 342.469

■ 59, 3.971, 161.906

44, 23.593,
345.285

63, 10.481,
161.173

40, 30.412,
346.429

67, 16.776,
160.526

37, 36.833,
347.752

71, 22.856,
159.931

34, 42.554,
349.321

75, 28.727,
159.379

32, 47.240,
351.228

79, 34.402,
158.864

30, 50.592,
353.594

83, 39.894,
158.383

29, 52.481,
356.551

87, 45.216,
157.933

28, 53.377,
358.428

Harmonies

Complementary

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



51, 9.623, 343.359



55, 9.475, 161.164

Rectangle

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



51, 9.623, 343.359



51, 9.623, 33.359



51, 9.623, 163.359



51, 9.623, 213.359

Sweetspot

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



51, 9.621, 343.362



70, 3.360, 342.474



50, 11.686, 308.530



37, 2.408, 342.542



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 9.621, 343.362



64, 14.476, 343.658



51, 7.863, 17.596



27, 3.901, 342.938



28, 52.599, 358.345



0, 1.792, 342.262

Inverse Universe

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



51, 9.621, 343.362



64, 14.476, 343.658



55, 7.248, 195.839



27, 3.901, 342.938



28, 52.599, 358.345



0, 1.792, 342.262

Previews

White Background



This preview shows how the CIELCh color 51, 9.623, 343.359 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 51, 9.623, 343.359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

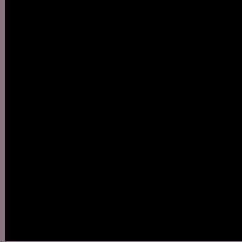
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 9.623, 343.359

Background



This preview shows how black text looks on a background with the CIELCh color 51, 9.623, 343.359.



This preview shows how white text looks on a background with the CIELCh color 51, 9.623, 343.359.

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

51, 9.623, 343.359

Protanopia

51, 4.688, 295.563

Deuteranopia

51, 7.012, 338.595



Tritanopia
51, 9.623, 343.359

Trichromacy



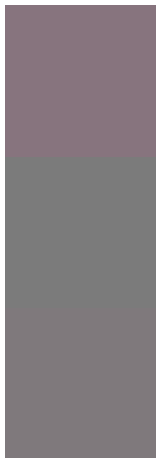
Original Color
51, 9.623, 343.359

Protanomaly
51, 6.163, 321.696

Deuteranomaly
51, 8.311, 341.317

Tritanomaly
51, 9.623, 343.359

Monochromacy



Original Color
51, 9.623, 343.359

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 2.988, 343.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 9.623, 343.359 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(135, 116, 126)` looks like.

```
.text, #text, p{  
    color:rgb(135, 116, 126)  
}
```

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(135, 116, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 116, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 9.623, 343.359 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(135, 116, 126) }
```

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

```
.border{ border-color:rgb(135, 116, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 116, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 116, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 116, 126);  
box-shadow:4px 4px 4px 4px rgb(135, 116,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 9.623, 343.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 116, 126) }
```

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

```
.background{ background-color: rgb(135,  
116, 126) }
```

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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