

Converting Colors

CIELCh(51, 26.992, 232.710)

Have a look what the booklet for
CIELCh(51, 26.992, 232.710)
contains.

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Color

CIELCh(51, 26.940, 232.157)

Conversions

Conversions Part 1

Format	Color
Hex	2E839D
RGB	46, 131, 157
RGB Percent	18%, 51%, 62%
CMY	0.8193, 0.4860, 0.3841
CMYK	0.71, 0.17, 0.00, 0.38
HSL	194°, 55%, 40%
HSV	194°, 71%, 62%
XYZ	15.3464, 19.2686, 34.8376
YIQ	108.5490, -59.0060, -9.9340

Conversions

Conversions Part 2

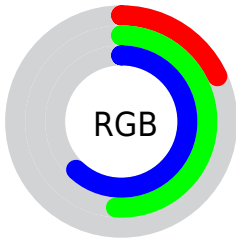
Format	Color
R_{YB}	46, 94, 157
Decimal	3048349
CIE _{Lab}	51.00, -16.53, -21.27
CIE _{LCh}	51, 26.940, 232.157
Yxy	19.2686, 0.2210, 0.2774
Android (android.graphics.Color)	4281238429 (0xFF2E839D)
YUV	108.5490, 23.8863, -54.8555
Hunter-Lab	43.8960, -14.4131, -16.3277

Details

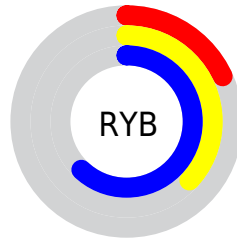
The CIELCh color **51, 26.940, 232.157** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **41, 46.350, 43.729**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 27.108, 232.604**, and **32, 23.399, 240.783** is the 20% darker color. If you saturate the color by 10%, you get **49, 28.820, 235.065**, and if you desaturate by 10%, it is **53, 24.516, 229.827**.

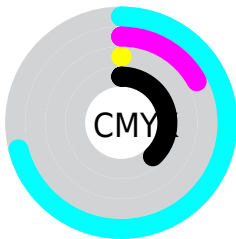
Distribution



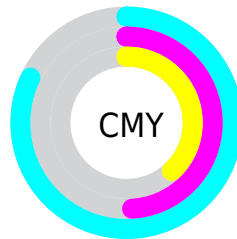
- Red (18%)
- Green (51%)
- Blue (62%)



- Red (18%)
- Yellow (37%)
- Blue (62%)



- Cyan (71%)
- Magenta (17%)
- Yellow (0%)
- Black (38%)





- Cyan (82%)
- Magenta (49%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 26.940, 232.157 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, 26.940, 232.157 by changing the saturation by 10% instead.


 51, 26.940,
232.157


 51, 26.940,
232.157


 100, 26.940,
232.157


 41, 26.940,
232.157


 71, 26.940,
232.157

 31, 26.940,
232.157

 81, 26.940,
232.157

 21, 26.940,
232.157

 91, 26.940,
232.157

 11, 26.940,
232.157

 1, 26.940, 232.157

 0, 26.940, 232.157

■ 51, 26.940,
232.157

■ 51, 26.940,
232.157

■ 49, 28.820,
235.065

■ 53, 24.516,
229.827

■ 48, 30.212,
238.617

■ 54, 21.550,
227.992

■ 47, 31.265,
242.344

■ 56, 18.076,
226.569

■ 58, 14.150,
225.480

■ 60, 9.840, 224.664

■ 62, 5.212, 224.085

■ 65, 0.331, 224.893

■ 67, 4.748, 43.127

■ 69, 9.976, 42.953

Harmonies

Complementary

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



51, 26.940, 232.157



41, 46.350, 43.729

Rectangle

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



51, 26.940, 232.157



51, 26.940, 282.157



51, 26.940, 52.157



51, 26.940, 102.157

Sweetspot

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



51, 26.939, 232.156



76, 12.351, 224.717



57, 60.770, 144.399



39, 8.277, 224.905



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



51, 26.939, 232.156



62, 36.062, 237.109



34, 50.776, 290.283



32, 2.790, 224.025



43, 29.113, 241.944



3, 3.688, 227.709

Inverse Universe

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



39, 59.153, 336.910



48, 79.463, 338.516



55, 46.733, 87.060



31, 5.184, 332.304



32, 62.891, 340.010



1, 6.574, 333.048

Previews

White Background



This preview shows how the CIE LCh color 51, 26.940, 232.157 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, 26.940, 232.157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

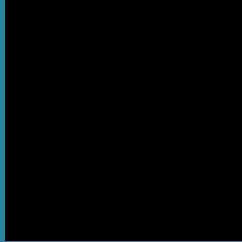
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 26.940, 232.157

Background



This preview shows how black text looks on a background with the CIELCh color 51, 26.940, 232.157.

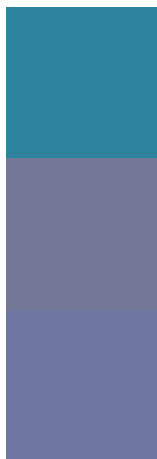


This preview shows how white text looks on a background with the CIELCh color 51, 26.940, 232.157.

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, 26.940, 232.157

Protanopia

51, 16.999, 285.056

Deuteranopia

51, 23.998, 286.657



Tritanopia
51, 26.967, 210.872

Trichromacy



Original Color
51, 26.940, 232.157

Protanomaly
50, 19.585, 255.877

Deuteranomaly
50, 23.447, 263.398

Tritanomaly
51, 26.604, 219.299

Monochromacy



Original Color
51, 26.940, 232.157

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 12.248, 224.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 26.940, 232.157 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(46, 131, 157)` looks like.

```
.text, #text, p{  
    color:rgb(46, 131, 157)  
}
```

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(46, 131, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 131, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 26.940, 232.157 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(46, 131, 157) }
```

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

```
.border{ border-color:rgb(46, 131, 157) }
```

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

Here you see how a box with a 4 pixel rgb(46, 131, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 131, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 131, 157);  
box-shadow:4px 4px 4px 4px rgb(46, 131,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 26.940, 232.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 131, 157) }
```

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

```
.background{ background-color: rgb(46, 131,  
157) }
```

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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