

Converting Colors

CIELCh(51, 33.870, 245.983)

Have a look what the booklet for
CIELCh(51, 33.870, 245.983)
contains.

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Color

CIELCh(51, 33.927, 245.960)

Conversions

Conversions Part 1

Format	Color
Hex	0983AE
RGB	9, 131, 174
RGB Percent	4%, 51%, 68%
CMY	0.9649, 0.4873, 0.3187
CMYK	0.95, 0.25, 0.00, 0.32
HSL	196°, 90%, 36%
HSV	196°, 95%, 68%
XYZ	15.8086, 19.2686, 42.7953
YIQ	99.4240, -86.5150, -12.4910

Conversions

Conversions Part 2

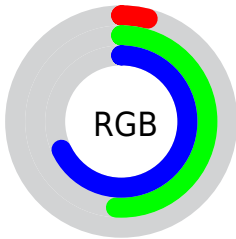
Format	Color
R_{YB}	9, 79, 174
Decimal	623534
CIE _{Lab}	51.00, -13.82, -30.98
CIE _{LCh}	51, 33.927, 245.960
Yxy	19.2686, 0.2030, 0.2474
Android (android.graphics.Color)	4278813614 (0xFF0983AE)
YUV	99.4240, 36.7660, -79.3018
Hunter-Lab	43.8960, -12.5334, -27.0760

Details

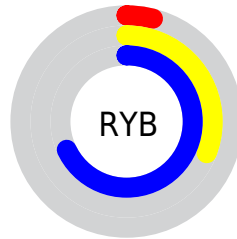
The CIELCh color **51, 33.927, 245.960** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **40, 68.797, 45.826**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 34.099, 246.051**, and **33, 28.706, 258.097** is the 20% darker color. If you saturate the color by 10%, you get **50, 34.702, 248.240**, and if you desaturate by 10%, it is **53, 32.350, 241.724**.

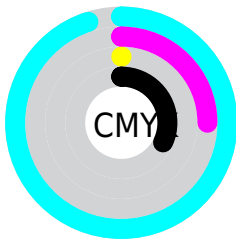
Distribution



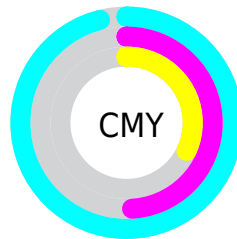
- Red (4%)
- Green (51%)
- Blue (68%)



- Red (4%)
- Yellow (31%)
- Blue (68%)



- Cyan (95%)
- Magenta (25%)
- Yellow (0%)
- Black (32%)





- Cyan (96%)
- Magenta (49%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 33.927, 245.960 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, 33.927, 245.960 by changing the saturation by 10% instead.


 51, 33.927,
245.960


 51, 33.927,
245.960


 100, 33.927,
245.960


 41, 33.927,
245.960


 71, 33.927,
245.960

 31, 33.927,
245.960

 81, 33.927,
245.960

 21, 33.927,
245.960

 91, 33.927,
245.960

 11, 33.927,
245.960

 1, 33.927, 245.960

 0, 33.927, 245.960

■ 51, 33.927,
245.960

■ 51, 33.927,
245.960

■ 50, 34.702,
248.240

■ 53, 32.350,
241.724

■ 54, 30.358,
238.162

■ 56, 27.851,
235.253

■ 58, 24.794,
232.923

■ 60, 21.200,
231.085

■ 63, 17.115,
229.650

■ 65, 12.605,
228.544

■ 67, 7.739, 227.709

Harmonies

Complementary

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



51, 33.927, 245.960



40, 68.797, 45.826

Rectangle

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



51, 33.927, 245.960



51, 33.927, 295.960



51, 33.927, 65.960



51, 33.927, 115.960

Sweetspot

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



51, 33.926, 245.961



82, 17.459, 228.915



62, 79.686, 140.664



42, 11.982, 229.393



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



51, 33.926, 245.961



65, 42.612, 249.179



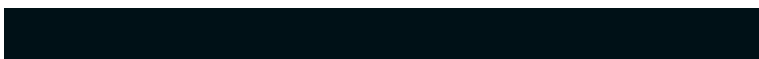
28, 78.029, 299.026



35, 2.986, 227.360



44, 31.103, 247.634



4, 6.396, 237.224

Inverse Universe

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



39, 70.678, 341.253



51, 86.541, 342.337



58, 61.714, 84.438



34, 5.492, 333.320



33, 64.090, 341.816



2, 10.843, 336.184

Previews

White Background



This preview shows how the CIELCh color 51, 33.927, 245.960 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, 33.927, 245.960 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, 33.927, 245.960

Background



This preview shows how black text looks on a background with the CIELCh color 51, 33.927, 245.960.

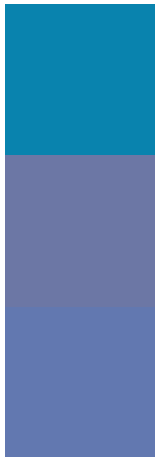


This preview shows how white text looks on a background with the CIELCh color 51, 33.927, 245.960.

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, 33.954, 245.906

Protanopia

51, 26.959, 285.758

Deuteranopia

51, 33.032, 282.373



Tritanopia
51, 29.977, 209.186

Trichromacy



Original Color
51, 33.954, 245.906

Protanomaly
50, 29.402, 263.158

Deuteranomaly
50, 32.855, 264.773

Tritanomaly
51, 29.998, 222.643

Monochromacy



Original Color
51, 33.954, 245.906

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 17.207, 229.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 33.927, 245.960 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(9, 131, 174)` looks like.

```
.text, #text, p{  
    color:rgb(9, 131, 174)  
}
```

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(9, 131, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 131, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 33.927, 245.960 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(9, 131, 174) }
```

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

```
.border{ border-color:rgb(9, 131, 174) }
```

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

Here you see how a box with a 4 pixel rgb(9, 131, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 131, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 131, 174);  
box-shadow:4px 4px 4px 4px rgb(9, 131,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 33.927, 245.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 131, 174) }
```

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

```
.background{ background-color: rgb(9, 131,  
174) }
```

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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