

Converting Colors

CIELCh(51, 30.784, 250.354)

Have a look what the booklet for
CIELCh(51, 30.784, 250.354)
contains.

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Color

CIELCh(51, 30.659, 249.922)

Conversions

Conversions Part 1

Format	Color
Hex	3181AA
RGB	49, 129, 170
RGB Percent	19%, 51%, 67%
CMY	0.8076, 0.4940, 0.3332
CMYK	0.71, 0.24, 0.00, 0.33
HSL	200°, 55%, 43%
HSV	200°, 71%, 67%
XYZ	16.3839, 19.2686, 40.9059
YIQ	109.7540, -60.8410, -4.2090

Conversions

Conversions Part 2

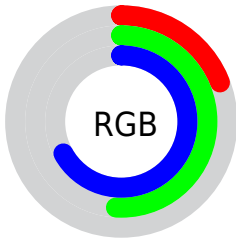
Format	Color
R_{YB}	49, 97, 170
Decimal	3244458
CIE _{Lab}	51.00, -10.53, -28.80
CIE _{LCh}	51, 30.659, 249.922
Yxy	19.2686, 0.2140, 0.2517
Android (android.graphics.Color)	4281434538 (0xFF3181AA)
YUV	109.7540, 29.7013, -53.2813
Hunter-Lab	43.8960, -10.1940, -24.5241

Details

The CIELCh color **51, 30.659, 249.922** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **47, 47.651, 51.989**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 30.483, 249.243**, and **32, 28.144, 257.899** is the 20% darker color. If you saturate the color by 10%, you get **49, 33.558, 253.840**, and if you desaturate by 10%, it is **53, 27.408, 246.642**.

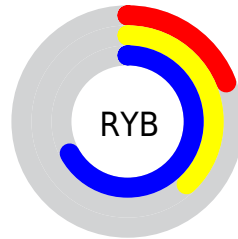
Distribution



Red (19%)

Green (51%)

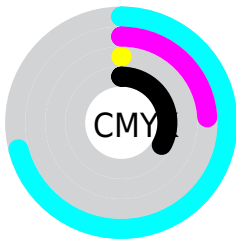
Blue (67%)



Red (19%)

Yellow (38%)

Blue (67%)

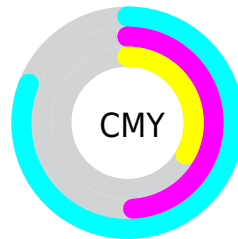


Cyan (71%)

Magenta (24%)

Yellow (0%)

Black (33%)



Cyan (81%)


Magenta (49%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 30.659, 249.922 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, 30.659, 249.922 by changing the saturation by 10% instead.


 51, 30.659,
249.922


 51, 30.659,
249.922


 100, 30.659,
249.922


 41, 30.659,
249.922


 71, 30.659,
249.922

 31, 30.659,
249.922

 81, 30.659,
249.922

 21, 30.659,
249.922

 91, 30.659,
249.922

 11, 30.659,
249.922

 1, 30.659, 249.922

 0, 30.659, 249.922

■ 51, 30.659,
249.922

■ 51, 30.659,
249.922

■ 49, 33.558,
253.840

■ 53, 27.408,
246.642

■ 47, 36.198,
258.384

■ 56, 23.768,
243.948

■ 45, 38.490,
262.667

■ 58, 19.742,
241.761

■ 61, 15.365,
240.000

■ 64, 10.681,
238.590

■ 66, 5.745, 237.479

■ 69, 0.605, 237.189

■ 72, 4.691, 55.640

Harmonies

Complementary

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



51, 30.659, 249.922



47, 47.651, 51.989

Rectangle

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



51, 30.659, 249.922



51, 30.659, 299.922



51, 30.659, 69.922



51, 30.659, 119.922

Sweetspot

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



51, 30.658, 249.922



81, 13.162, 238.619



62, 60.249, 147.777



42, 8.927, 238.967



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



51, 30.658, 249.922



62, 42.687, 256.216



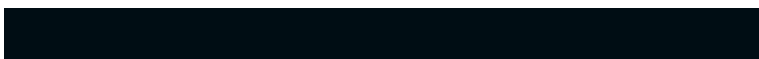
34, 62.641, 295.727



34, 2.902, 237.305



39, 34.502, 262.023



3, 5.490, 245.842

Inverse Universe

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



42, 59.202, 342.469



51, 79.318, 344.916



62, 53.475, 94.214



33, 5.068, 336.513



32, 60.270, 347.393



2, 8.679, 339.390

Previews

White Background



This preview shows how the CIELCh color 51, 30.659, 249.922 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, 30.659, 249.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

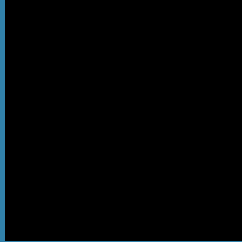
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 30.659, 249.922

Background



This preview shows how black text looks on a background with the CIELCh color 51, 30.659, 249.922.

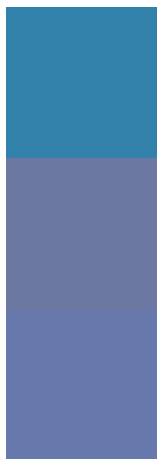


This preview shows how white text looks on a background with the CIELCh color 51, 30.659, 249.922.

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, 30.659, 249.922

Protanopia

51, 25.245, 284.924

Deuteranopia

51, 30.604, 283.184



Tritanopia
51, 28.089, 210.202

Trichromacy



Original Color
51, 30.659, 249.922

Protanomaly
51, 26.413, 268.063

Deuteranomaly
51, 29.833, 269.940

Tritanomaly
51, 27.616, 225.260

Monochromacy



Original Color
51, 30.659, 249.922

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 13.327, 240.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 30.659, 249.922 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(49, 129, 170)` looks like.

```
.text, #text, p{  
    color:rgb(49, 129, 170)  
}
```

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(49, 129, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 129, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 30.659, 249.922 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(49, 129, 170) }
```

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

```
.border{ border-color:rgb(49, 129, 170) }
```

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

Here you see how a box with a 4 pixel rgb(49, 129, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 129, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 129, 170);  
box-shadow:4px 4px 4px 4px rgb(49, 129,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 30.659, 249.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 129, 170) }
```

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

```
.background{ background-color: rgb(49, 129,  
170) }
```

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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