

Converting Colors

CIELCh(60, 39.199, 255.478)

Have a look what the booklet for
CIELCh(60, 39.199, 255.478)
contains.

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Color

CIELCh(60, 39.252, 255.540)

Conversions

Conversions Part 1

Format	Color
Hex	3199D3
RGB	49, 153, 211
RGB Percent	19%, 60%, 83%
CMY	0.8080, 0.4001, 0.1727
CMYK	0.77, 0.27, 0.00, 0.17
HSL	201°, 65%, 51%
HSV	201°, 77%, 83%
XYZ	24.4021, 28.1233, 65.7449
YIQ	128.5160, -80.6020, -4.0100

Conversions

Conversions Part 2

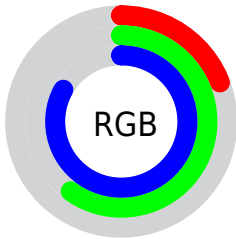
Format	Color
R _Y B	49, 112, 211
Decimal	3250643
CIE Lab	60.00, -9.80, -38.01
CIE LCh	60, 39.252, 255.540
Yxy	28.1233, 0.2063, 0.2378
Android (android.graphics.Color)	4281440723 (0xFF3199D3)
YUV	128.5160, 40.6646, -69.7355
Hunter-Lab	53.0314, -10.6692, -36.3819

Details

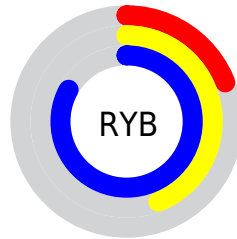
The CIELCh color **60, 39.252, 255.540** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **57, 61.819, 53.184**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 34.498, 246.653**, and **41, 36.445, 263.482** is the 20% darker color. If you saturate the color by 10%, you get **57, 42.783, 260.024**, and if you desaturate by 10%, it is **63, 35.419, 251.692**.

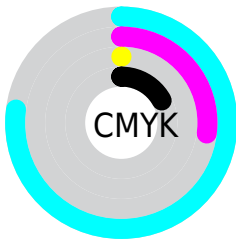
Distribution



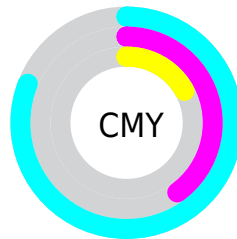
- Red (19%)
- Green (60%)
- Blue (83%)



- Red (19%)
- Yellow (44%)
- Blue (83%)



- Cyan (77%)
- Magenta (27%)
- Yellow (0%)
- Black (17%)





- Cyan (81%)
- Magenta (40%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 39.252, 255.540 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 60, 39.252, 255.540 by changing the saturation by 10% instead.


 60, 39.252,
255.540


 60, 39.252,
255.540


 100, 39.252,
255.540


 50, 39.252,
255.540


 80, 39.252,
255.540

 40, 39.252,
255.540

 90, 39.252,
255.540


 30, 39.252,
255.540

 20, 39.252,
255.540

 10, 39.252,
255.540

 0, 39.252, 255.540

 60, 39.252,

 60, 39.252,

255.540

■ 57, 42.783,
260.024

■ 55, 46.176,
265.030

■ 54, 47.297,
266.622

255.540

■ 63, 35.419,
251.692

■ 66, 31.191,
248.477

■ 69, 26.533,
245.839

■ 72, 21.460,
243.697

■ 75, 16.012,
241.969

■ 79, 10.245,
240.582

■ 82, 4.219, 239.514

■ 86, 2.010, 58.229

Harmonies

Complementary

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



60, 39.252, 255.540



57, 61.819, 53.184

Rectangle

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



60, 39.252, 255.540



60, 39.252, 305.540



60, 39.252, 75.540



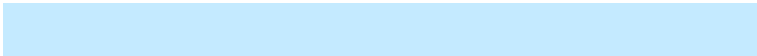
60, 39.252, 125.540

Sweetspot

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



60, 39.251, 255.541



91, 16.154, 241.441



75, 74.881, 147.220



47, 11.092, 241.985



0, 0.000, 0.000



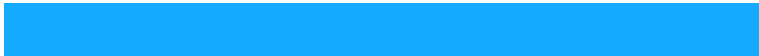
53, 0.007, 296.813

Same Dimension

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



60, 39.251, 255.541



67, 51.792, 263.088



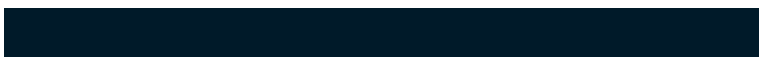
38, 83.091, 298.333



42, 3.482, 239.756



44, 39.548, 265.734



8, 13.416, 253.934

Inverse Universe

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



50, 72.416, 344.631



57, 88.698, 347.898



76, 67.938, 94.576



41, 5.982, 337.372



37, 65.439, 349.180



5, 23.696, 344.487

Previews

White Background



This preview shows how the CIE LCh color 60, 39.252, 255.540 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 60, 39.252, 255.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

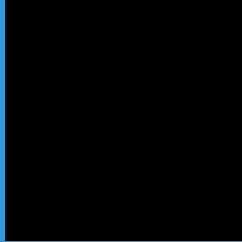
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

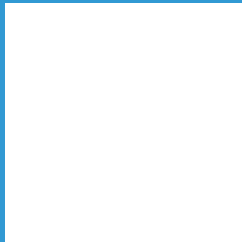
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 39.252, 255.540

Background



This preview shows how black text looks on a background with the CIELCh color 60, 39.252, 255.540.

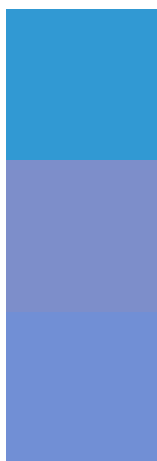


This preview shows how white text looks on a background with the CIELCh color 60, 39.252, 255.540.

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

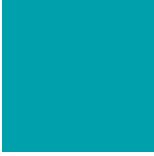
60, 39.252, 255.540

Protanopia

60, 34.108, 284.962

Deuteranopia

60, 40.058, 281.914



Tritanopia
60, 34.159, 208.238

Trichromacy



Original Color
60, 39.252, 255.540

Protanomaly
59, 35.421, 270.560

Deuteranomaly
60, 38.959, 270.701

Tritanomaly
60, 33.745, 226.575

Monochromacy



Original Color
60, 39.252, 255.540

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 17.203, 243.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 39.252, 255.540 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, 153, 211)` looks like.

```
.text, #text, p{  
    color:rgb(49, 153, 211)  
}
```

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, 153, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 153, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 39.252, 255.540 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, 153, 211) }
```

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

```
.border{ border-color:rgb(49, 153, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 153, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 153, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 153, 211);  
box-shadow:4px 4px 4px 4px rgb(49, 153,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 39.252, 255.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 153, 211) }
```

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

```
.background{ background-color: rgb(49, 153,  
211) }
```

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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