

Converting Colors

CIELCh(60, 30.169, 236.780)

Have a look what the booklet for
CIELCh(60, 30.169, 236.780)
contains.

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Color

CIELCh(60, 30.149, 236.315)

Conversions

Conversions Part 1

Format	Color
Hex	3F9BBC
RGB	63, 155, 188
RGB Percent	25%, 61%, 74%
CMY	0.7530, 0.3922, 0.2628
CMYK	0.66, 0.18, 0.00, 0.26
HSL	196°, 50%, 49%
HSV	196°, 66%, 74%
XYZ	22.8425, 28.1233, 51.7914
YIQ	131.2540, -65.4250, -9.2410

Conversions

Conversions Part 2

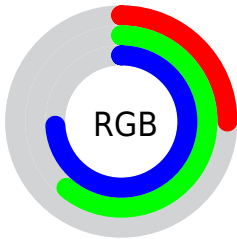
Format	Color
R_{YB}	63, 116, 188
Decimal	4168636
CIE _{Lab}	60.00, -16.72, -25.09
CIE _{LCh}	60, 30.149, 236.315
Yxy	28.1233, 0.2223, 0.2737
Android (android.graphics.Color)	4282358716 (0xFF3F9BBC)
YUV	131.2540, 27.9758, -59.8588
Hunter-Lab	53.0314, -15.9189, -20.7816

Details

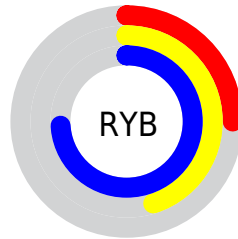
The CIELCh color `60, 30.149, 236.315` is a dark color, and the websafe version is hex `3399CC`. A complement of this color would be `51, 49.251, 45.870`, and the grayscale version is `55, 0.007, 296.813`.

A 20% lighter version of the original color is `80, 30.040, 235.438`, and `41, 27.816, 240.720` is the 20% darker color. If you saturate the color by 10%, you get `58, 32.727, 239.403`, and if you desaturate by 10%, it is `62, 26.989, 233.833`.

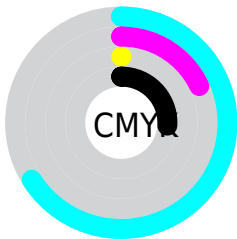
Distribution



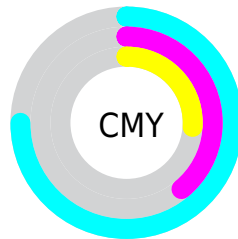
- Red (25%)
- Green (61%)
- Blue (74%)



- Red (25%)
- Yellow (45%)
- Blue (74%)



- Cyan (66%)
- Magenta (18%)
- Yellow (0%)
- Black (26%)





- Cyan (75%)
- Magenta (39%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 30.149, 236.315 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, 30.149, 236.315 by changing the saturation by 10% instead.


 60, 30.149,
236.315


 60, 30.149,
236.315


 100, 30.149,
236.315


 50, 30.149,
236.315


 80, 30.149,
236.315

 40, 30.149,
236.315

 90, 30.149,
236.315

 30, 30.149,
236.315

 20, 30.149,
236.315

 10, 30.149,
236.315

 0, 30.149, 236.315

 60, 30.149,

 60, 30.149,

236.315

236.315

■ 58, 32.727,
239.403

■ 62, 26.989,
233.833

■ 56, 34.777,
243.164

■ 64, 23.253,
231.869

■ 55, 36.430,
247.588

■ 67, 18.985,
230.333

■ 54, 37.003,
249.174

■ 69, 14.250,
229.145

■ 72, 9.124, 228.243

■ 74, 3.678, 227.618

■ 77, 2.020, 46.699

■ 80, 7.911, 46.480

■ 83, 13.945, 46.208

Harmonies

Complementary

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



60, 30.149, 236.315



51, 49.251, 45.870

Rectangle

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



60, 30.149, 236.315



60, 30.149, 286.315



60, 30.149, 56.315



60, 30.149, 106.315

Sweetspot

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



60, 30.148, 236.315



90, 13.573, 228.558



68, 65.969, 145.456



47, 9.183, 228.813



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



60, 30.148, 236.315



73, 41.181, 241.129



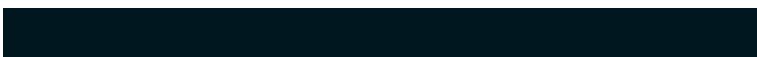
42, 56.374, 290.278



39, 3.199, 227.760



46, 32.417, 248.480



6, 9.522, 239.631

Inverse Universe

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



48, 64.192, 338.033



57, 87.770, 339.667



66, 51.739, 88.798



37, 5.877, 333.449



35, 66.275, 342.099



3, 16.598, 337.744

Previews

White Background



This preview shows how the CIE LCh color 60, 30.149, 236.315 looks on a white background.

Color Contrast Check

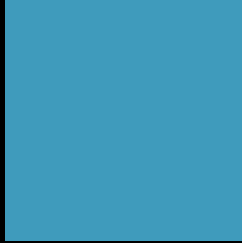
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 30.149, 236.315 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, 30.149, 236.315

Background



This preview shows how black text looks on a background with the CIELCh color 60, 30.149, 236.315.

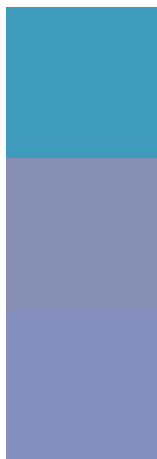


This preview shows how white text looks on a background with the CIELCh color 60, 30.149, 236.315.

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

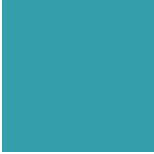
60, 30.149, 236.315

Protanopia

60, 21.007, 285.935

Deuteranopia

60, 27.788, 286.444



Tritanopia
60, 29.582, 211.575

Trichromacy



Original Color
60, 30.149, 236.315

Protanomaly
59, 22.763, 259.906

Deuteranomaly
60, 26.740, 265.125

Tritanomaly
60, 29.146, 220.322

Monochromacy



Original Color
60, 30.149, 236.315

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 13.553, 229.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 30.149, 236.315 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(63, 155, 188)` looks like.

```
.text, #text, p{  
    color:rgb(63, 155, 188)  
}
```

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(63, 155, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 155, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 30.149, 236.315 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(63, 155, 188) }
```

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

```
.border{ border-color:rgb(63, 155, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 155, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 155, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 155, 188);  
box-shadow:4px 4px 4px 4px rgb(63, 155,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 30.149, 236.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 155, 188) }
```

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

```
.background{ background-color: rgb(63, 155,  
188) }
```

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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