

Converting Colors

CIELCh(60, 34.164, 240.351)

Have a look what the booklet for
CIELCh(60, 34.164, 240.351)
contains.

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Color

CIELCh(60, 34.182, 240.870)

Conversions

Conversions Part 1

Format	Color
Hex	2D9BC4
RGB	45, 155, 196
RGB Percent	18%, 61%, 77%
CMY	0.8249, 0.3907, 0.2298
CMYK	0.77, 0.21, 0.00, 0.23
HSL	196°, 63%, 47%
HSV	196°, 77%, 77%
XYZ	22.8605, 28.1233, 56.6868
YIQ	126.7840, -78.7210, -10.5690

Conversions

Conversions Part 2

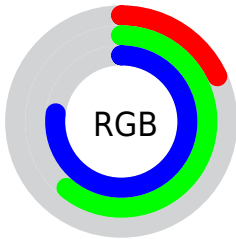
Format	Color
R_{YB}	45, 109, 196
Decimal	2988996
CIE _{Lab}	60.00, -16.64, -29.86
CIE _{LCh}	60, 34.182, 240.870
Yxy	28.1233, 0.2123, 0.2612
Android (android.graphics.Color)	4281179076 (0xFF2D9BC4)
YUV	126.7840, 34.1235, -71.7246
Hunter-Lab	53.0314, -15.8582, -26.2548

Details

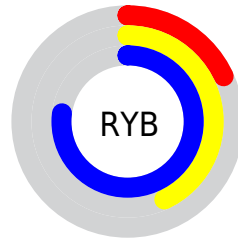
The CIELCh color **60, 34.182, 240.870** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark muted azure. A complement of this color would be **50, 60.991, 46.604**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 34.171, 240.545**, and **41, 30.010, 248.713** is the 20% darker color. If you saturate the color by 10%, you get **58, 36.325, 244.781**, and if you desaturate by 10%, it is **62, 31.514, 237.643**.

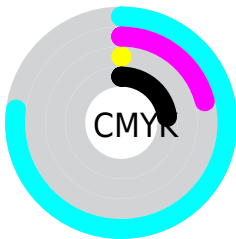
Distribution



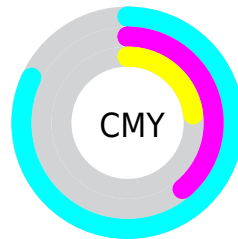
- Red (18%)
- Green (61%)
- Blue (77%)



- Red (18%)
- Yellow (43%)
- Blue (77%)



- Cyan (77%)
- Magenta (21%)
- Yellow (0%)
- Black (23%)





- Cyan (82%)
- Magenta (39%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 34.182, 240.870 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, 34.182, 240.870 by changing the saturation by 10% instead.


 60, 34.182,
240.870


 60, 34.182,
240.870


 100, 34.182,
240.870


 50, 34.182,
240.870


 80, 34.182,
240.870

 40, 34.182,
240.870

 90, 34.182,
240.870

 30, 34.182,
240.870

 20, 34.182,
240.870

 10, 34.182,
240.870

 0, 34.182, 240.870

 60, 34.182,

 60, 34.182,

240.870

■ 58, 36.325,
244.781

■ 56, 38.099,
249.338

■ 56, 38.585,
250.599

240.870

■ 62, 31.514,
237.643

■ 64, 28.260,
235.040

■ 67, 24.416,
232.973

■ 69, 20.025,
231.352

■ 72, 15.150,
230.093

■ 74, 9.867, 229.130

■ 77, 4.253, 228.443

■ 80, 1.625, 47.430

■ 83, 7.704, 47.240

Harmonies

Complementary

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



60, 34.182, 240.870



50, 60.991, 46.604

Rectangle

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



60, 34.182, 240.870



60, 34.182, 290.870



60, 34.182, 60.870



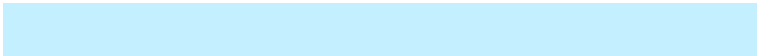
60, 34.182, 110.870

Sweetspot

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



60, 34.181, 240.870



92, 15.980, 229.684



70, 75.899, 144.198



48, 10.941, 230.066



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, 34.181, 240.870



73, 45.786, 248.008



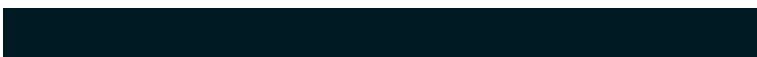
38, 70.674, 294.551



41, 3.337, 228.560



47, 33.473, 249.873



8, 11.204, 239.387

Inverse Universe

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



47, 72.475, 339.552



58, 93.676, 341.929



68, 61.218, 88.516



39, 6.111, 333.699



36, 67.522, 342.576



4, 21.098, 338.799

Previews

White Background



This preview shows how the CIE LCh color 60, 34.182, 240.870 looks on a white background.

Color Contrast Check

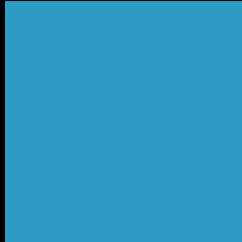
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.182, 240.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

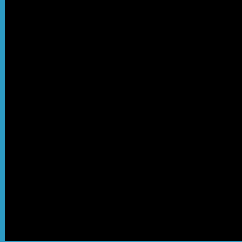
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 34.182, 240.870

Background



This preview shows how black text looks on a background with the CIELCh color 60, 34.182, 240.870.

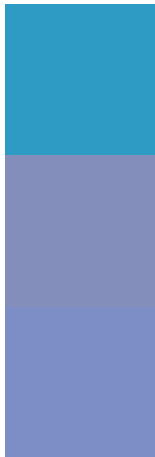


This preview shows how white text looks on a background with the CIELCh color 60, 34.182, 240.870.

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, 34.099, 241.005

Protanopia

60, 25.008, 285.265

Deuteranopia

60, 32.458, 284.236

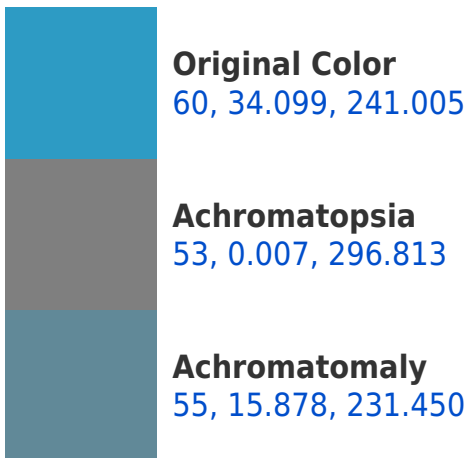


Tritanopia
60, 33.634, 209.475

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 34.182, 240.870 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(45, 155, 196)` looks like.

```
.text, #text, p{  
    color:rgb(45, 155, 196)  
}
```

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(45, 155, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 155, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 34.182, 240.870 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(45, 155, 196) }
```

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

```
.border{ border-color:rgb(45, 155, 196) }
```

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

Here you see how a box with a 4 pixel rgb(45, 155, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 155, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 155, 196);  
box-shadow:4px 4px 4px 4px rgb(45, 155,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 34.182, 240.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 155, 196) }
```

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

```
.background{ background-color: rgb(45, 155,  
196) }
```

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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