

Converting Colors

CIELCh(60, 29.712, 196.767)

Have a look what the booklet for
CIELCh(60, 29.712, 196.767)
contains.

CIELCh(60, 29.786, 196.832)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(60, 29.786, 196.832)

Conversions

Conversions Part 1

Format	Color
Hex	3A9F9F
RGB	58, 159, 159
RGB Percent	23%, 62%, 62%
CMY	0.7734, 0.3772, 0.3772
CMYK	0.64, 0.00, 0.00, 0.38
HSL	180°, 47%, 42%
HSV	180°, 64%, 62%
XYZ	20.3411, 28.1233, 37.0750
YIQ	128.8010, -60.1960, -21.4120

Conversions

Conversions Part 2

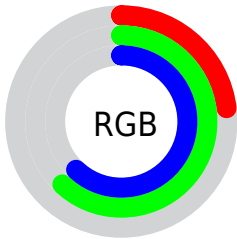
Format	Color
R_{YB}	58, 109, 159
Decimal	3841951
CIE Lab	60.00, -28.51, -8.63
CIE LCh	60, 29.786, 196.832
Yxy	28.1233, 0.2378, 0.3288
Android (android.graphics.Color)	4282032031 (0xFF3A9F9F)
YUV	128.8010, 14.8881, -62.0925
Hunter-Lab	53.0314, -24.3383, -4.3285

Details

The CIELCh color `60, 29.786, 196.832` is a dark color, and the websafe version is hex `339999`. A complement of this color would be `39, 47.602, 28.142`, and the grayscale version is `54, 0.007, 296.813`.

A 20% lighter version of the original color is `80, 29.651, 197.338`, and `41, 26.292, 197.758` is the 20% darker color. If you saturate the color by 10%, you get `60, 32.164, 196.634`, and if you desaturate by 10%, it is `60, 26.672, 197.091`.

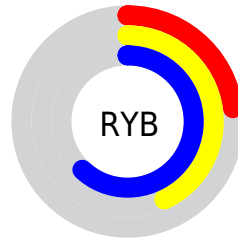
Distribution



Red (23%)

Green (62%)

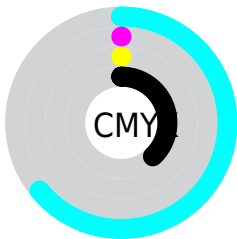
Blue (62%)



Red (23%)

Yellow (43%)

Blue (62%)

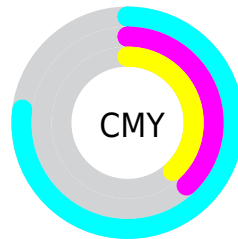


Cyan (64%)

Magenta (0%)

Yellow (0%)

Black (38%)



Cyan (77%)


Magenta (38%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 29.786, 196.832 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, 29.786, 196.832 by changing the saturation by 10% instead.


 60, 29.786,
196.832


 60, 29.786,
196.832


 100, 29.786,
196.832


 50, 29.786,
196.832


 80, 29.786,
196.832

 40, 29.786,
196.832

 90, 29.786,
196.832

 30, 29.786,
196.832

 20, 29.786,
196.832

 10, 29.786,
196.832

 0, 29.786, 196.832

 60, 29.786,

 60, 29.786,

196.832

196.832

■ 60, 32.164,
196.634

■ 60, 26.672,
197.091

■ 59, 33.809,
196.499

■ 61, 22.861,
197.415

■ 59, 34.767,
196.421

■ 62, 18.417,
197.800

■ 59, 35.177,
196.387

■ 63, 13.426,
198.243

■ 64, 7.980, 198.747

■ 65, 2.172, 199.424

■ 66, 3.910, 19.644

■ 68, 10.189, 20.295

■ 69, 16.599, 20.909

Harmonies

Complementary

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



60, 29.786, 196.832



39, 47.602, 28.142

Rectangle

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



60, 29.786, 196.832



60, 29.786, 246.832



60, 29.786, 16.832



60, 29.786, 66.832

Sweetspot

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



60, 29.786, 196.830



80, 13.563, 198.449



58, 65.626, 138.958



42, 9.328, 198.317



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



60, 29.786, 196.830



76, 39.962, 196.575



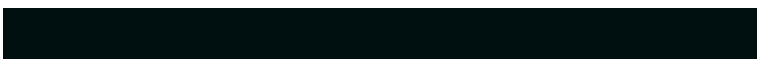
44, 32.396, 268.772



33, 3.339, 198.997



54, 32.544, 196.387



3, 4.473, 199.422

Inverse Universe

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



43, 64.827, 327.528



52, 89.791, 327.924



50, 38.792, 67.537



31, 6.104, 324.916



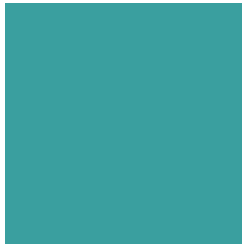
34, 75.047, 328.233



1, 7.944, 324.439

Previews

White Background



This preview shows how the CIELCh color 60, 29.786, 196.832 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, 29.786, 196.832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

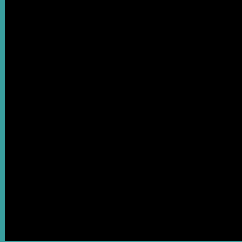
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 29.786, 196.832

Background



This preview shows how black text looks on a background with the CIELCh color 60, 29.786, 196.832.

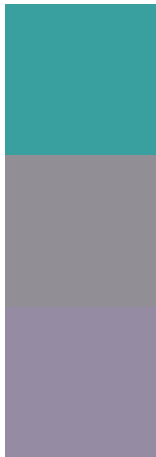


This preview shows how white text looks on a background with the CIELCh color 60, 29.786, 196.832.

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, 29.786, 196.832

Protanopia
60, 3.494, 303.247

Deuteranopia
60, 13.499, 305.907



Tritanopia
60, 27.788, 212.680

Trichromacy



Original Color
60, 29.786, 196.832



Protanomaly
59, 12.982, 208.390



Deuteranomaly
59, 13.214, 235.712



Tritanomaly
60, 28.382, 206.302

Monochromacy



Original Color
60, 29.786, 196.832



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 13.435, 198.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 29.786, 196.832 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(58, 159, 159)` looks like.

```
.text, #text, p{  
    color:rgb(58, 159, 159)  
}
```

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(58, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 159, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 29.786, 196.832 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(58, 159, 159) }
```

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

```
.border{ border-color:rgb(58, 159, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 159, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 159, 159);  
box-shadow:4px 4px 4px 4px rgb(58, 159,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 29.786, 196.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 159, 159) }
```

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

```
.background{ background-color: rgb(58, 159,  
159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor