

Converting Colors

CIELCh(61, 31.126, 217.774)

Have a look what the booklet for
CIELCh(61, 31.126, 217.774)
contains.

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Color

CIELCh(61, 31.118, 217.421)

Conversions

Conversions Part 1

Format	Color
Hex	2FA1B4
RGB	47, 161, 180
RGB Percent	18%, 63%, 71%
CMY	0.8176, 0.3699, 0.2954
CMYK	0.74, 0.11, 0.00, 0.30
HSL	189°, 59%, 44%
HSV	189°, 74%, 70%
XYZ	22.0404, 29.2481, 47.4845
YIQ	129.0800, -74.0430, -18.2590

Conversions

Conversions Part 2

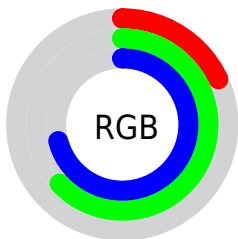
Format	Color
R_{YB}	47, 108, 180
Decimal	3121588
CIE _{Lab}	61.00, -24.71, -18.91
CIE _{LCh}	61, 31.118, 217.421
Yxy	29.2481, 0.2231, 0.2961
Android (android.graphics.Color)	4281311668 (0xFF2FA1B4)
YUV	129.0800, 25.1036, -71.9842
Hunter-Lab	54.0815, -21.8968, -14.2005




Details

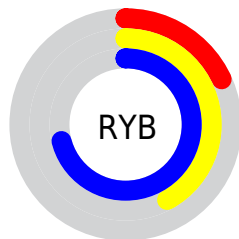
The CIELCh color **61, 31.118, 217.421** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **44, 57.679, 38.253**, and the grayscale version is **54, 0.007, 296.813**.




A 20% lighter version of the original color is **81, 31.095, 217.712**, and **42, 26.082, 221.941** is the 20% darker color. If you saturate the color by 10%, you get **60, 32.554, 219.244**, and if you desaturate by 10%, it is **62, 28.933, 216.008**.

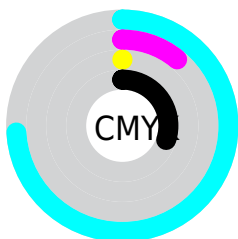
Distribution







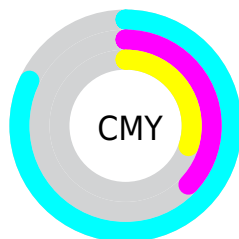
-  Red (18%)
-  Green (63%)
-  Blue (71%)






-  Red (18%)
-  Yellow (42%)
-  Blue (71%)



-  Cyan (74%)
-  Magenta (11%)
-  Yellow (0%)
-  Black (30%)





-  Cyan (82%)
-  Magenta (37%)
-  Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 31.118, 217.421 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 61, 31.118, 217.421 by changing the saturation by 10% instead.


 61, 31.118,
217.421


 61, 31.118,
217.421


 100, 31.118,
217.421


 51, 31.118,
217.421


 81, 31.118,
217.421


 41, 31.118,
217.421

 91, 31.118,
217.421

 31, 31.118,
217.421

 21, 31.118,
217.421

 11, 31.118,
217.421

 1, 31.118, 217.421

 0, 31.118, 217.421

■ 61, 31.118,
217.421

■ 61, 31.118,
217.421

■ 60, 32.554,
219.244

■ 62, 28.933,
216.008

■ 59, 33.305,
221.530

■ 64, 26.000,
214.948

■ 58, 33.569,
223.017

■ 65, 22.363,
214.181

■ 67, 18.095,
213.655

■ 68, 13.284,
213.328

■ 70, 8.023, 213.171

■ 72, 2.400, 213.259

■ 74, 3.505, 32.934

Harmonies

Complementary

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



61, 31.118, 217.421



44, 57.679, 38.253

Rectangle

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



61, 31.118, 217.421



61, 31.118, 267.421



61, 31.118, 37.421



61, 31.118, 87.421

Sweetspot

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



61, 31.117, 217.420



88, 15.144, 213.289



65, 75.159, 140.814



46, 10.075, 213.351



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



61, 31.117, 217.420



76, 40.428, 220.657



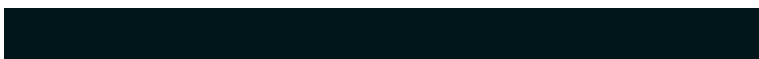
41, 51.342, 285.001



37, 3.244, 213.159



50, 29.833, 222.638



6, 7.712, 220.101

Inverse Universe

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



45, 71.978, 333.134



55, 95.525, 334.193



58, 51.811, 78.058



35, 6.118, 329.124



35, 70.704, 334.752



2, 14.071, 330.765

Previews

White Background



This preview shows how the CIELCh color 61, 31.118, 217.421 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 61, 31.118, 217.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

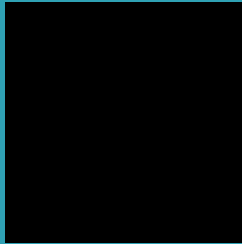
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 31.118, 217.421

Background



This preview shows how black text looks on a background with the CIELCh color 61, 31.118, 217.421.

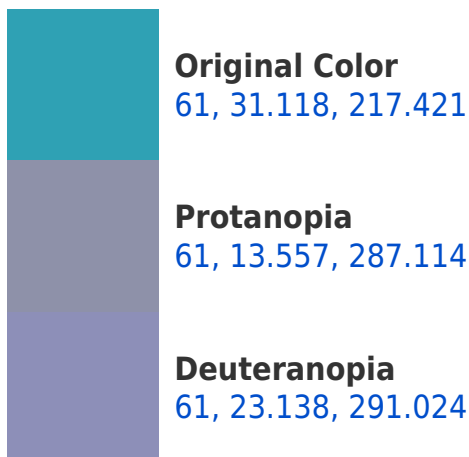


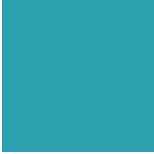
This preview shows how white text looks on a background with the CIELCh color 61, 31.118, 217.421.

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





Tritanopia
61, 31.447, 211.625

Trichromacy



Original Color
61, 31.118, 217.421



Protanomaly
60, 18.682, 240.418



Deuteranomaly
60, 22.447, 255.402



Tritanomaly
61, 31.353, 213.884

Monochromacy



Original Color
61, 31.118, 217.421



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 15.014, 211.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 31.118, 217.421 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(47, 161, 180)` looks like.

```
.text, #text, p{  
    color:rgb(47, 161, 180)  
}
```

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(47, 161, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 161, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 31.118, 217.421 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(47, 161, 180) }
```

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

```
.border{ border-color:rgb(47, 161, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 161, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 161, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 161, 180);  
box-shadow:4px 4px 4px 4px rgb(47, 161,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 31.118, 217.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 161, 180) }
```

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

```
.background{ background-color: rgb(47, 161,  
180) }
```

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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