

Converting Colors

CIELCh(61, 18.140, 157.537)

Have a look what the booklet for
CIELCh(61, 18.140, 157.537)
contains.

CIELCh(61, 17.986, 156.820)	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(61, 17.986, 156.820)

Conversions

Conversions Part 1

Format	Color
Hex	789B86
RGB	120, 155, 134
RGB Percent	47%, 61%, 53%
CMY	0.5286, 0.3913, 0.4737
CMYK	0.23, 0.00, 0.14, 0.39
HSL	144°, 15%, 54%
HSV	144°, 23%, 61%
XYZ	23.8484, 29.2481, 27.0183
YIQ	142.1410, -14.1190, -13.9510

Conversions

Conversions Part 2

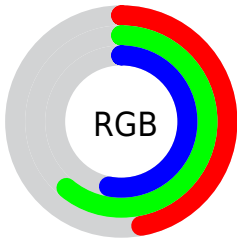
Format	Color
R_{YB}	120, 145, 155
Decimal	7904134
CIE _{Lab}	61.00, -16.53, 7.08
CIE _{LCh}	61, 17.986, 156.820
Y _{xy}	29.2481, 0.2977, 0.3651
Android (android.graphics.Color)	4286094214 (0xFF789B86)
YUV	142.1410, -4.0135, -19.4177
Hunter-Lab	54.0815, -15.9295, 8.2367

Details

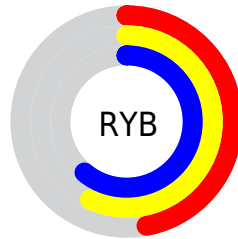
The CIELCh color $61, 17.986, 156.820$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $54, 18.283, 340.368$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 18.275, 156.265$, and $41, 18.258, 155.777$ is the 20% darker color. If you saturate the color by 10%, you get $60, 25.860, 155.829$, and if you desaturate by 10%, it is $62, 10.009, 157.702$.

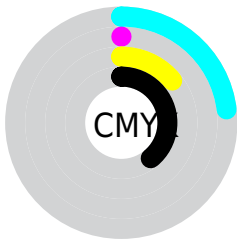
Distribution



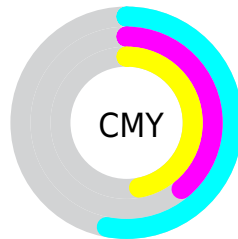
- Red (47%)
- Green (61%)
- Blue (53%)



- Red (47%)
- Yellow (57%)
- Blue (61%)



- Cyan (23%)
- Magenta (0%)
- Yellow (14%)
- Black (39%)





- Cyan (53%)
- Magenta (39%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 17.986, 156.820 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, 17.986, 156.820 by changing the saturation by 10% instead.


 61, 17.986,
156.820


 61, 17.986,
156.820


 100, 17.986,
156.820


 51, 17.986,
156.820


 81, 17.986,
156.820

 41, 17.986,
156.820

 91, 17.986,
156.820

 31, 17.986,
156.820

 21, 17.986,
156.820

 11, 17.986,
156.820

 1, 17.986, 156.820

 0, 17.986, 156.820

61, 17.986,
156.820

61, 17.986,
156.820

60, 25.860,
155.829

62, 10.009,
157.702

59, 33.509,
154.707

64, 2.025, 158.596

65, 5.885, 339.084

58, 40.800,
153.428

67, 13.661,
339.738

57, 47.599,
151.973

69, 21.263,
340.314

57, 53.784,
150.324

70, 28.662,
340.837

56, 59.263,
148.481


72, 35.842,
341.317

56, 63.995,
146.463

74, 42.799,
341.761

56, 67.156,

144.972

 76, 48.328,
340.559

Harmonies

Complementary

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



61, 17.986, 156.820



54, 18.283, 340.368

Rectangle

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



61, 17.986, 156.820



61, 17.986, 206.820



61, 17.986, 336.820



61, 17.986, 26.820

Sweetspot

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



61, 17.987, 156.819



80, 6.887, 158.155



62, 20.200, 123.764



42, 4.512, 158.110



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



61, 17.987, 156.819



77, 26.591, 156.342



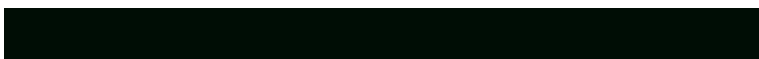
61, 13.048, 188.055



32, 4.448, 157.981



51, 62.073, 145.184



3, 4.827, 158.323

Inverse Universe

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



54, 18.283, 340.368



67, 27.111, 340.805



54, 14.611, 11.912



30, 4.483, 339.267



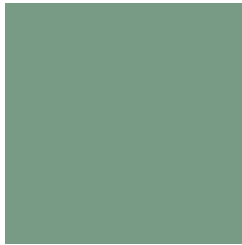
30, 56.235, 352.140



1, 4.769, 339.098

Previews

White Background



This preview shows how the CIELCh color 61, 17.986, 156.820 looks on a white background.

Color Contrast Check

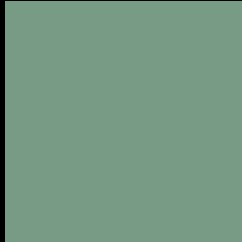
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.986, 156.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

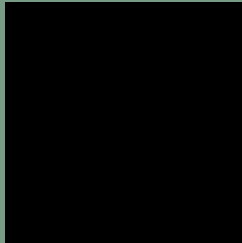
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 17.986, 156.820

Background



This preview shows how black text looks on a background with the CIELCh color 61, 17.986, 156.820.



This preview shows how white text looks on a background with the CIELCh color 61, 17.986, 156.820.

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
61, 17.986, 156.820

Protanopia
61, 9.407, 91.546

Deuteranopia
61, 9.732, 36.890



Tritanopia
61, 11.007, 236.833

Trichromacy



Original Color
61, 17.986, 156.820

Protanomaly
61, 10.074, 127.537

Deuteranomaly
61, 6.214, 102.100

Tritanomaly
61, 10.611, 198.472

Monochromacy



Original Color
61, 17.986, 156.820

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 6.812, 157.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 17.986, 156.820 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(120, 155, 134)` looks like.

```
.text, #text, p{  
    color:rgb(120, 155, 134)  
}
```

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(120, 155, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 155, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 17.986, 156.820 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(120, 155, 134) }
```

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

```
.border{ border-color:rgb(120, 155, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 155, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 155, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 155, 134);  
box-shadow:4px 4px 4px 4px rgb(120, 155,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 17.986, 156.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 155, 134) }
```

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

```
.background{ background-color: rgb(120,  
155, 134) }
```

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