

Converting Colors

CIELCh(80, 30.051, 155.929)

Have a look what the booklet for
CIELCh(80, 30.051, 155.929)
contains.

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Color

CIELCh(80, 29.913, 156.251)

Conversions

Conversions Part 1

Format	Color
Hex	96D4AF
RGB	150, 212, 175
RGB Percent	59%, 83%, 69%
CMY	0.4117, 0.1685, 0.3136
CMYK	0.29, 0.00, 0.17, 0.17
HSL	144°, 42%, 71%
HSV	144°, 29%, 83%
XYZ	43.8717, 56.6813, 49.1976
YIQ	189.2440, -25.0750, -24.6510

Conversions

Conversions Part 2

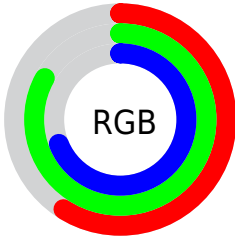
Format	Color
RYB	150, 194, 212
Decimal	9884847
CIELab	80.00, -27.38, 12.05
CIELCh	80, 29.913, 156.251
Yxy	56.6813, 0.2930, 0.3785
Android (android.graphics.Color)	4288074927 (0xFF96D4AF)
YUV	189.2440, -7.0223, -34.4170
Hunter-Lab	75.2870, -27.7356, 13.9568

Details

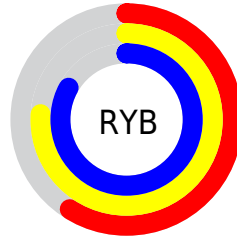
The CIELCh color **80, 29.913, 156.251** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **69, 30.553, 341.185**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.382, 162.995**, and **60, 29.700, 156.731** is the 20% darker color. If you saturate the color by 10%, you get **79, 39.835, 155.137**, and if you desaturate by 10%, it is **82, 19.740, 157.231**.

Distribution



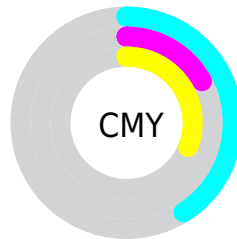
- Red (59%)
- Green (83%)
- Blue (69%)



- Red (59%)
- Yellow (76%)
- Blue (83%)



- Cyan (29%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)





- Cyan (41%)
- Magenta (17%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 29.913, 156.251 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 80, 29.913, 156.251 by changing the saturation by 10% instead.


 80, 29.913,
156.251


 80, 29.913,
156.251


 100, 29.913,
156.251


 70, 29.913,
156.251

 60, 29.913,
156.251

 50, 29.913,
156.251

 40, 29.913,
156.251

 30, 29.913,
156.251

 20, 29.913,
156.251

 10, 29.913,

156.251

■ 0, 29.913, 156.251

■ 80, 29.913,
156.251

■ 80, 29.913,
156.251

■ 79, 39.835,
155.137

■ 82, 19.740,
157.231

■ 78, 49.328,
153.867

■ 83, 9.467, 158.112

■ 77, 58.211,
152.416

■ 85, 0.780, 338.337

■ 76, 66.315,
150.766

■ 87, 10.903,
339.485

■ 75, 73.508,
148.911

■ 89, 20.550,
339.400

■ 90, 25.254,
328.070

■ 75, 79.725,
146.866

■ 90, 26.931,
325.362

■ 75, 85.033,
144.719

■ 75, 85.415,
144.564

Harmonies

Complementary

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



80, 29.913, 156.251



69, 30.553, 341.185

Rectangle

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



80, 29.913, 156.251



80, 29.913, 206.251



80, 29.913, 336.251



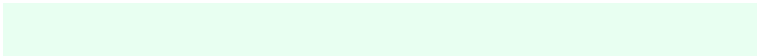
80, 29.913, 26.251

Sweetspot

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



80, 29.914, 156.250



98, 10.707, 158.125



82, 33.797, 124.021



52, 7.444, 157.999



0, 0.000, 0.000



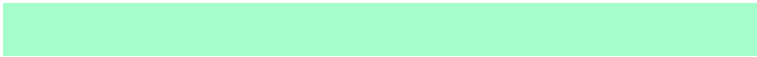
53, 0.007, 296.813

Same Dimension

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



80, 29.914, 156.250



93, 41.417, 155.586



81, 21.223, 188.897



44, 5.862, 158.096



61, 72.157, 144.920



14, 25.433, 150.050

Inverse Universe

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



69, 30.553, 341.185



78, 42.435, 341.784



68, 24.920, 14.131



42, 5.910, 339.456



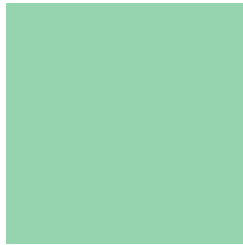
37, 64.710, 352.973



5, 24.738, 347.564

Previews

White Background



This preview shows how the CIELCh color 80, 29.913, 156.251 looks on a white background.

Color Contrast Check

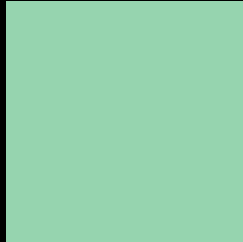
Large Text (above 18pt) WCAG AA × Fail

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 80, 29.913, 156.251 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 ✓ Pass

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

CIELCh 80, 29.913, 156.251

Background



This preview shows how black text looks on a background with the CIELCh color 80, 29.913, 156.251.

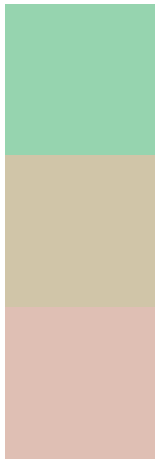


This preview shows how white text looks on a background with the CIELCh color 80, 29.913, 156.251.

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
80, 29.913, 156.251

Protanopia
80, 15.965, 93.160

Deuteranopia
80, 13.726, 45.279



Tritanopia
80, 17.379, 228.008

Trichromacy



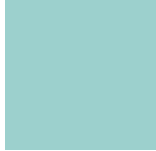
Original Color
80, 29.913, 156.251



Protanomaly
79, 17.425, 127.813



Deuteranomaly
79, 11.206, 114.993

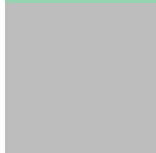


Tritanomaly
80, 17.831, 192.950

Monochromacy



Original Color
80, 29.913, 156.251



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 10.734, 158.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 29.913, 156.251 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(150, 212, 175)` looks like.

```
.text, #text, p{  
    color:rgb(150, 212, 175)  
}
```

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(150, 212, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 212, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 29.913, 156.251 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(150, 212, 175) }
```

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

```
.border{ border-color:rgb(150, 212, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 212, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 212, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 212, 175);  
box-shadow:4px 4px 4px 4px rgb(150, 212,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 29.913, 156.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 212, 175) }
```

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

```
.background{ background-color: rgb(150,  
212, 175) }
```

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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