

Converting Colors

CIELCh(67, 19.847, 164.825)

Have a look what the booklet for
CIELCh(67, 19.847, 164.825)
contains.

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Color

CIELCh(67, 20.076, 164.363)

Conversions

Conversions Part 1

Format	Color
Hex	80AD99
RGB	128, 173, 153
RGB Percent	50%, 68%, 60%
CMY	0.4992, 0.3227, 0.4011
CMYK	0.26, 0.00, 0.12, 0.32
HSL	153°, 21%, 59%
HSV	153°, 26%, 68%
XYZ	29.4726, 36.6320, 35.5302
YIQ	157.2650, -20.4000, -15.7600

Conversions

Conversions Part 2

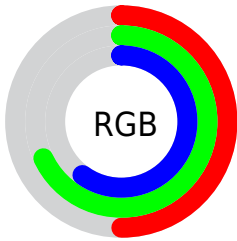
Format	Color
RYB	128, 157, 173
Decimal	8433049
CIELab	67.00, -19.33, 5.41
CIELCh	67, 20.076, 164.363
Yxy	36.6320, 0.2900, 0.3604
Android (android.graphics.Color)	4286623129 (0xFF80AD99)
YUV	157.2650, -2.1026, -25.6654
Hunter-Lab	60.5244, -18.9963, 7.5615

Details

The CIELCh color $67, 20.076, 164.363$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $58, 20.930, 349.225$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 20.322, 163.565$, and $47, 19.912, 164.893$ is the 20% darker color. If you saturate the color by 10%, you get $66, 27.493, 163.246$, and if you desaturate by 10%, it is $68, 12.441, 165.372$.

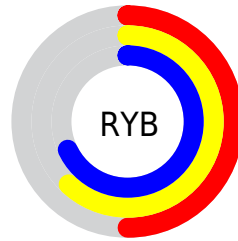
Distribution



Red (50%)

Green (68%)

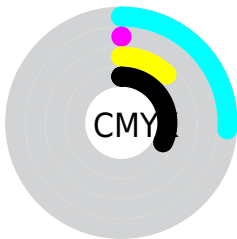
Blue (60%)



Red (50%)

Yellow (62%)

Blue (68%)

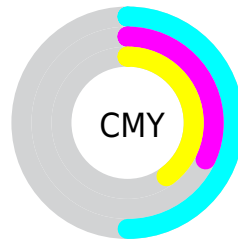


Cyan (26%)

Magenta (0%)

Yellow (12%)

Black (32%)



Cyan (50%)


Magenta (32%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 20.076, 164.363 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 67, 20.076, 164.363 by changing the saturation by 10% instead.


 67, 20.076,
164.363


 67, 20.076,
164.363


 100, 20.076,
164.363


 57, 20.076,
164.363

 87, 20.076,
164.363

 47, 20.076,
164.363

 97, 20.076,
164.363

 37, 20.076,
164.363

 27, 20.076,
164.363

 17, 20.076,
164.363

 7, 20.076, 164.363

 0, 20.076, 164.363

67, 20.076,
164.363

67, 20.076,
164.363

66, 27.493,
163.246

68, 12.441,
165.372

65, 34.564,
162.001

70, 4.695, 166.329

64, 41.165,
160.601

71, 3.069, 346.953

63, 47.175,
159.022

73, 10.777,
347.807

63, 52.507,
157.245

75, 18.374,
348.532

63, 57.116,
155.259

77, 25.821,
349.201


62, 61.037,
153.084

79, 33.091,
349.827

62, 62.499,

80, 36.943,
346.555

152.242

 80, 39.148,
341.527

Harmonies

Complementary

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



67, 20.076, 164.363



58, 20.930, 349.225

Rectangle

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



67, 20.076, 164.363



67, 20.076, 214.363



67, 20.076, 344.363



67, 20.076, 34.363

Sweetspot

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



67, 20.077, 164.361



88, 7.683, 166.126



68, 26.454, 129.637



46, 5.453, 165.986



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 20.077, 164.361



84, 29.409, 163.763



67, 14.937, 203.001



36, 4.408, 166.015



55, 56.160, 152.522



6, 9.977, 161.609

Inverse Universe

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



58, 20.930, 349.225



71, 30.924, 349.863



58, 17.829, 25.298



34, 4.477, 347.513



32, 56.952, 6.499



2, 8.868, 351.775

Previews

White Background



This preview shows how the CIELCh color 67, 20.076, 164.363 looks on a white background.

Color Contrast Check

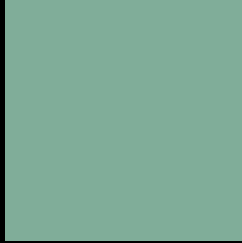
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 67, 20.076, 164.363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

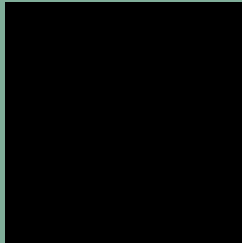
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 20.076, 164.363

Background



This preview shows how black text looks on a background with the CIELCh color 67, 20.076, 164.363.

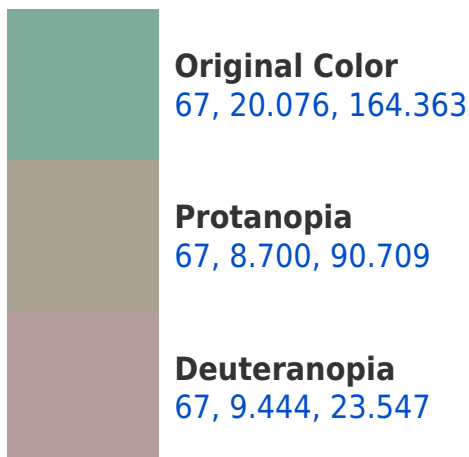


This preview shows how white text looks on a background with the CIELCh color 67, 20.076, 164.363.

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
67, 13.806, 232.891

Trichromacy



Original Color
67, 20.076, 164.363

Protanomaly
67, 10.489, 135.500

Deuteranomaly
67, 4.424, 114.712

Tritanomaly
67, 13.441, 200.678

Monochromacy



Original Color
67, 20.076, 164.363

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 7.866, 164.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 20.076, 164.363 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(128, 173, 153)` looks like.

```
.text, #text, p{  
    color:rgb(128, 173, 153)  
}
```

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(128, 173, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 173, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 20.076, 164.363 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(128, 173, 153) }
```

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

```
.border{ border-color:rgb(128, 173, 153) }
```

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

Here you see how a box with a 4 pixel rgb(128, 173, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 173, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 173, 153);  
box-shadow:4px 4px 4px 4px rgb(128, 173,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 20.076, 164.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 173, 153) }
```

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

```
.background{ background-color: rgb(128,  
173, 153) }
```

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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