

Converting Colors

CIELCh(69, 20.637, 161.143)

Have a look what the booklet for
CIELCh(69, 20.637, 161.143)
contains.

CIELCh(69, 20.392, 161.460)	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(69, 20.392, 161.460)

Conversions

Conversions Part 1

Format	Color
Hex	86B29C
RGB	134, 178, 156
RGB Percent	53%, 70%, 61%
CMY	0.4742, 0.3017, 0.3880
CMYK	0.25, 0.00, 0.12, 0.30
HSL	150°, 22%, 61%
HSV	150°, 25%, 70%
XYZ	31.7825, 39.3444, 37.4011
YIQ	162.3360, -19.1620, -16.1700

Conversions

Conversions Part 2

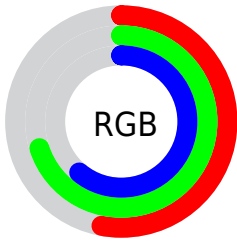
Format	Color
RYB	134, 163, 178
Decimal	8827548
CIELab	69.00, -19.33, 6.48
CIELCh	69, 20.392, 161.460
Yxy	39.3444, 0.2929, 0.3625
Android (android.graphics.Color)	4287017628 (0xFF86B29C)
YUV	162.3360, -3.1236, -24.8507
Hunter-Lab	62.7251, -19.3239, 8.5547

Details

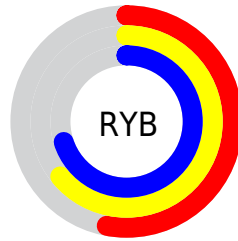
The CIELCh color **69, 20.392, 161.460** is a light color, and the websafe version is hex **669999**. A complement of this color would be **61, 21.022, 345.840**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 20.634, 160.805**, and **49, 20.257, 161.881** is the 20% darker color. If you saturate the color by 10%, you get **68, 28.421, 160.377**, and if you desaturate by 10%, it is **70, 12.180, 162.432**.

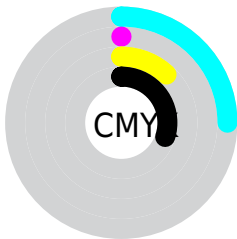
Distribution



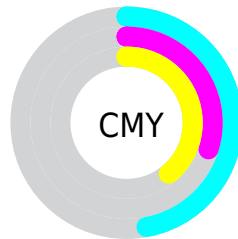
- Red (53%)
- Green (70%)
- Blue (61%)



- Red (53%)
- Yellow (64%)
- Blue (70%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)





- Cyan (47%)
- Magenta (30%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 20.392, 161.460 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 69, 20.392, 161.460 by changing the saturation by 10% instead.


 69, 20.392,
161.460


 69, 20.392,
161.460


 100, 20.392,
161.460


 59, 20.392,
161.460


 89, 20.392,
161.460

 49, 20.392,
161.460

 99, 20.392,
161.460

 39, 20.392,
161.460

 29, 20.392,
161.460

 19, 20.392,
161.460

 9, 20.392, 161.460

 0, 20.392, 161.460

■ 69, 20.392,
161.460

■ 69, 20.392,
161.460

■ 68, 28.421,
160.377

■ 70, 12.180,
162.432

■ 67, 36.134,
159.161

■ 72, 3.895, 163.363

■ 66, 43.393,
157.787

■ 73, 4.369, 343.968

■ 65, 50.066,
156.230

■ 75, 12.538,
344.742

■ 65, 56.046,
154.472

■ 77, 20.561,
345.416

■ 64, 61.270,
152.505

■ 79, 28.400,
346.035


■ 64, 65.744,
150.344

■ 81, 34.964,
345.133

■ 64, 67.926,

■ 81, 37.672,
339.204

149.208

 81, 40.760,
334.187

Harmonies

Complementary

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



69, 20.392, 161.460



61, 21.022, 345.840

Rectangle

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



69, 20.392, 161.460



69, 20.392, 211.460



69, 20.392, 341.460



69, 20.392, 31.460

Sweetspot

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



69, 20.393, 161.459



91, 7.183, 163.130



70, 25.301, 127.349



48, 4.706, 163.075



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



69, 20.393, 161.459



87, 30.582, 160.845



70, 15.400, 196.667



37, 4.698, 162.927



55, 60.366, 149.507



7, 12.296, 158.296

Inverse Universe

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



61, 21.022, 345.840



74, 31.738, 346.457



60, 18.041, 19.985



35, 4.756, 344.370



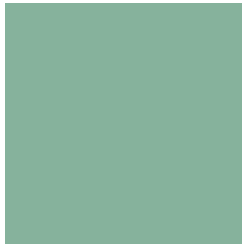
32, 57.951, 1.311



2, 10.605, 349.860

Previews

White Background



This preview shows how the CIELCh color 69, 20.392, 161.460 looks on a white background.

Color Contrast Check

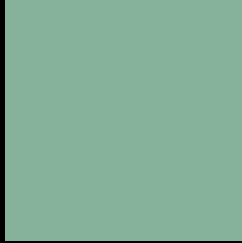
Large Text (above 18pt) WCAG AA × Fail

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 69, 20.392, 161.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

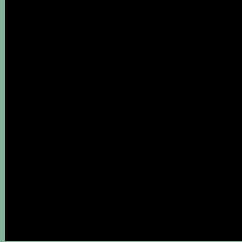
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 20.392, 161.460

Background



This preview shows how black text looks on a background with the CIELCh color 69, 20.392, 161.460.



This preview shows how white text looks on a background with the CIELCh color 69, 20.392, 161.460.

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](#).

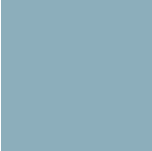
Dichromacy



Original Color
69, 20.392, 161.460

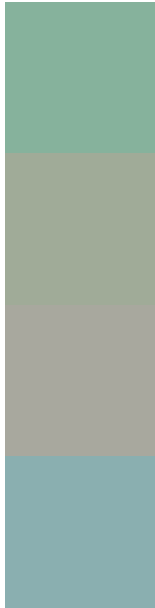
Protanopia
69, 9.819, 90.405

Deuteranopia
69, 9.950, 29.674



Tritanopia
69, 13.501, 230.709

Trichromacy



Original Color
69, 20.392, 161.460

Protanomaly
69, 11.267, 131.323

Deuteranomaly
69, 5.473, 109.608

Tritanomaly
69, 13.069, 200.787

Monochromacy



Original Color
69, 20.392, 161.460

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 7.519, 162.915

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 20.392, 161.460 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(134, 178, 156)` looks like.

```
.text, #text, p{  
    color:rgb(134, 178, 156)  
}
```

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(134, 178, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 178, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 20.392, 161.460 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(134, 178, 156) }
```

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

```
.border{ border-color:rgb(134, 178, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 178, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 178, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 178, 156);  
box-shadow:4px 4px 4px 4px rgb(134, 178,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 20.392, 161.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 178, 156) }
```

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

```
.background{ background-color: rgb(134,  
178, 156) }
```

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