

Converting Colors

CIELCh(69, 20.293, 251.398)

Have a look what the booklet for
CIELCh(69, 20.293, 251.398)
contains.

CIELCh(69, 20.537, 252.555)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(69, 20.537, 252.555)

Conversions

Conversions Part 1

Format	Color
Hex	85ADCB
RGB	133, 173, 203
RGB Percent	52%, 68%, 80%
CMY	0.4772, 0.3203, 0.2027
CMYK	0.34, 0.15, 0.00, 0.20
HSL	206°, 40%, 66%
HSV	206°, 34%, 80%
XYZ	35.5419, 39.3444, 62.4202
YIQ	164.4600, -33.4700, 0.8500

Conversions

Conversions Part 2

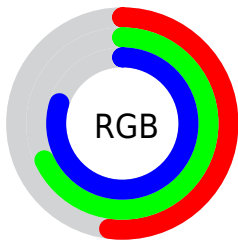
Format	Color
RYB	133, 158, 203
Decimal	8760779
CIELab	69.00, -6.16, -19.59
CIElCh	69, 20.537, 252.555
Yxy	39.3444, 0.2589, 0.2865
Android (android.graphics.Color)	4286950859 (0xFF85ADCB)
YUV	164.4600, 19.0002, -27.5904
Hunter-Lab	62.7251, -8.6255, -15.0942

Details

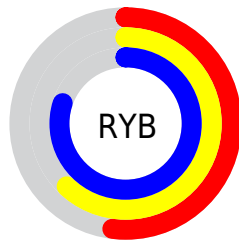
The CIELCh color **69, 20.537, 252.555** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **70, 23.642, 63.579**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 18.738, 247.828**, and **49, 20.602, 252.033** is the 20% darker color. If you saturate the color by 10%, you get **65, 26.042, 254.816**, and if you desaturate by 10%, it is **73, 14.794, 250.685**.

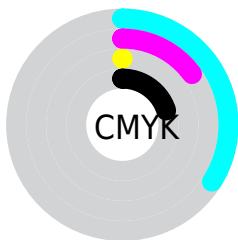
Distribution



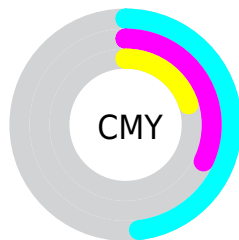
- Red (52%)
- Green (68%)
- Blue (80%)



- Red (52%)
- Yellow (62%)
- Blue (80%)



- Cyan (34%)
- Magenta (15%)
- Yellow (0%)
- Black (20%)





- Cyan (48%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 20.537, 252.555 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, 20.537, 252.555 by changing the saturation by 10% instead.


 69, 20.537,
252.555


 69, 20.537,
252.555


 100, 20.537,
252.555


 59, 20.537,
252.555


 89, 20.537,
252.555

 49, 20.537,
252.555

 99, 20.537,
252.555

 39, 20.537,
252.555

 29, 20.537,
252.555

 19, 20.537,
252.555

 9, 20.537, 252.555

 0, 20.537, 252.555

69, 20.537,
252.555

69, 20.537,
252.555

65, 26.042,
254.816

73, 14.794,
250.685

62, 31.289,
257.546

76, 8.852, 249.153

59, 36.276,
260.807

80, 2.751, 247.972

84, 3.470, 66.617

55, 41.042,
264.633

88, 9.775, 65.793

52, 45.674,
269.003

92, 16.054, 65.338

94, 17.742, 82.744

50, 50.301,
273.799

96, 20.732, 96.009

48, 52.956,
276.466

98, 24.527,
105.440

Harmonies

Complementary

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



69, 20.537, 252.555



70, 23.642, 63.579

Rectangle

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



69, 20.537, 252.555



69, 20.537, 302.555



69, 20.537, 72.555



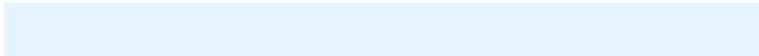
69, 20.537, 122.555

Sweetspot

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



69, 20.536, 252.552



95, 7.408, 248.590



76, 33.570, 156.311



50, 5.046, 248.769



0, 0.000, 0.000



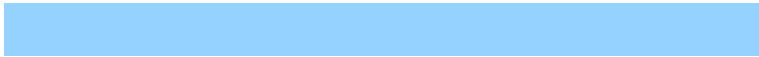
53, 0.007, 296.813

Same Dimension

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



69, 20.536, 252.552



82, 29.032, 254.117



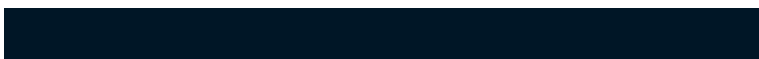
60, 36.288, 291.233



41, 3.509, 248.500



39, 44.921, 275.684



6, 13.841, 263.773

Inverse Universe

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



64, 34.192, 342.996



75, 48.743, 343.770



79, 33.819, 103.003



40, 5.577, 340.684



36, 62.650, 355.101



4, 20.732, 348.992

Previews

White Background



This preview shows how the CIELCh color 69, 20.537, 252.555 looks on a white background.

Color Contrast Check

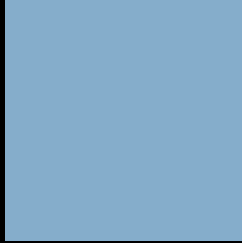
Large Text (above 18pt) WCAG AA × Fail

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, 20.537, 252.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

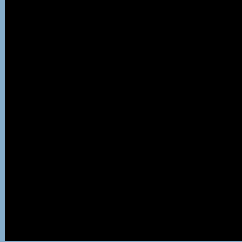
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

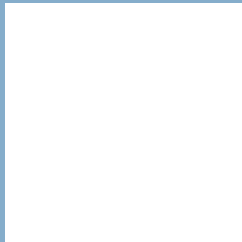
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 20.537, 252.555

Background



This preview shows how black text looks on a background with the CIELCh color 69, 20.537, 252.555.



This preview shows how white text looks on a background with the CIELCh color 69, 20.537, 252.555.

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, 20.537, 252.555

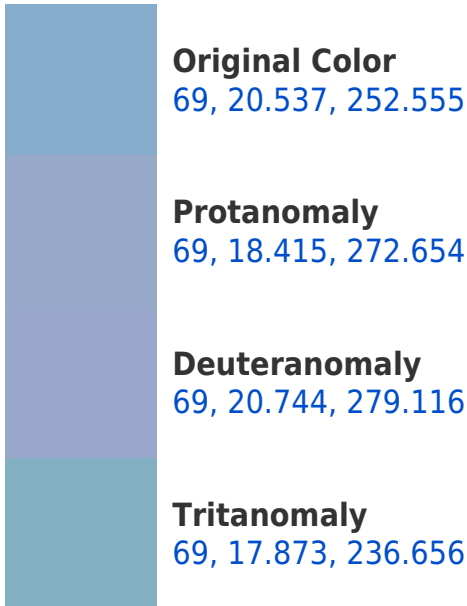
Protanopia
69, 18.194, 286.559

Deuteranopia
69, 22.585, 293.292

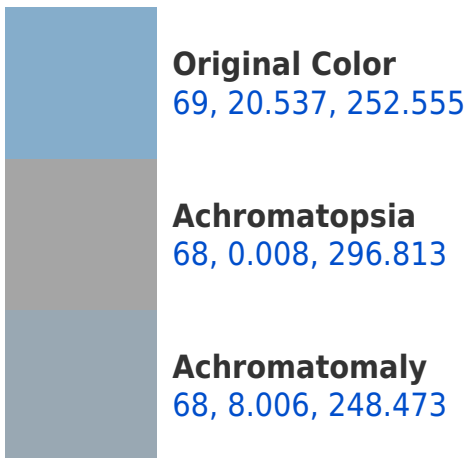


Tritanopia
69, 16.945, 225.481

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 20.537, 252.555 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(133, 173, 203)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 203)  
}
```

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(133, 173, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 20.537, 252.555 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(133, 173, 203) }
```

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

```
.border{ border-color:rgb(133, 173, 203) }
```

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

Here you see how a box with a 4 pixel rgb(133, 173, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 203);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 20.537, 252.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 203) }
```

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

```
.background{ background-color: rgb(133,  
173, 203) }
```

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