

Converting Colors

CIELCh(69, 21.510, 190.183)

Have a look what the booklet for
CIELCh(69, 21.510, 190.183)
contains.

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Color

CIELCh(69, 21.642, 190.319)

Conversions

Conversions Part 1

Format	Color
Hex	75B4AF
RGB	117, 180, 175
RGB Percent	46%, 71%, 69%
CMY	0.5425, 0.2955, 0.3151
CMYK	0.35, 0.00, 0.03, 0.30
HSL	175°, 29%, 58%
HSV	175°, 35%, 70%
XYZ	31.2475, 39.3444, 46.3297
YIQ	160.5930, -35.9430, -14.9110

Conversions

Conversions Part 2

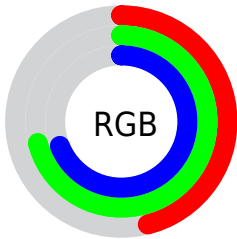
Format	Color
RYB	117, 150, 180
Decimal	7713967
CIELab	69.00, -21.29, -3.88
CIElCh	69, 21.642, 190.319
Yxy	39.3444, 0.2673, 0.3365
Android (android.graphics.Color)	4285904047 (0xFF75B4AF)
YUV	160.5930, 7.1027, -38.2311
Hunter-Lab	62.7251, -20.8463, 0.1151

Details

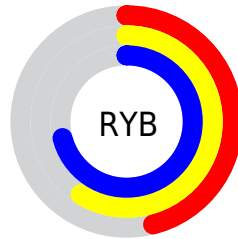
The CIELCh color **69, 21.642, 190.319** is a light color, and the websafe version is hex **669999**. A complement of this color would be **56, 26.539, 16.508**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 21.840, 189.692**, and **49, 21.673, 190.882** is the 20% darker color. If you saturate the color by 10%, you get **68, 26.720, 189.578**, and if you desaturate by 10%, it is **70, 15.988, 191.051**.

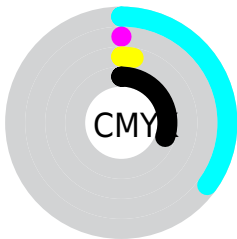
Distribution



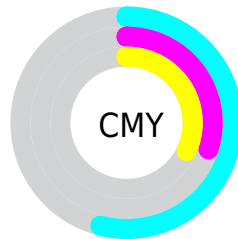
- Red (46%)
- Green (71%)
- Blue (69%)



- Red (46%)
- Yellow (59%)
- Blue (71%)



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (30%)




- Cyan (54%)
- Magenta (30%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 21.642, 190.319 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, 21.642, 190.319 by changing the saturation by 10% instead.


 69, 21.642,
190.319


 69, 21.642,
190.319


 100, 21.642,
190.319


 59, 21.642,
190.319


 89, 21.642,
190.319

 49, 21.642,
190.319

 99, 21.642,
190.319

 39, 21.642,
190.319

 29, 21.642,
190.319

 19, 21.642,
190.319

 9, 21.642, 190.319

 0, 21.642, 190.319

69, 21.642,
190.319

69, 21.642,
190.319

68, 26.720,
189.578

70, 15.988,
191.051

67, 31.120,
188.828

71, 9.866, 191.795

72, 3.384, 192.615

67, 34.760,
188.056

74, 3.358, 13.041

66, 37.593,
187.248

75, 10.275, 13.861

66, 39.616,
186.387

77, 17.294, 14.596

79, 24.356, 15.314

66, 40.888,
185.459

80, 29.296, 15.371

66, 41.371,
184.991

80, 29.299, 13.912

Harmonies

Complementary

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



69, 21.642, 190.319



56, 26.539, 16.508

Rectangle

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



69, 21.642, 190.319



69, 21.642, 240.319



69, 21.642, 10.319



69, 21.642, 60.319

Sweetspot

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



69, 21.642, 190.316



91, 9.028, 192.092



68, 40.946, 139.963



48, 6.044, 191.989



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, 21.642, 190.316



87, 31.249, 189.751



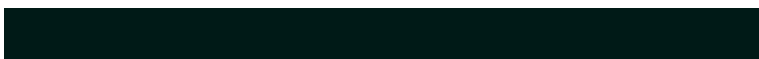
62, 18.721, 251.101



37, 3.736, 192.240



57, 36.711, 185.123



7, 9.311, 189.665

Inverse Universe

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



56, 26.539, 16.508



67, 40.309, 17.782



62, 21.747, 62.248



35, 3.926, 13.497



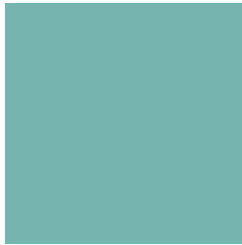
31, 68.022, 36.213



2, 9.203, 14.318

Previews

White Background



This preview shows how the CIELCh color 69, 21.642, 190.319 looks on a white background.

Color Contrast Check

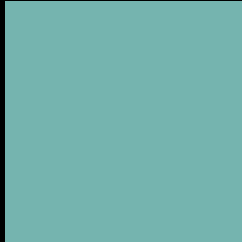
Large Text (above 18pt) WCAG AA × Fail

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 69, 21.642, 190.319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

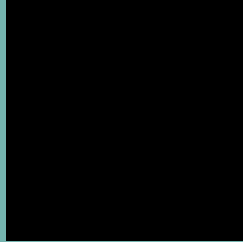
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

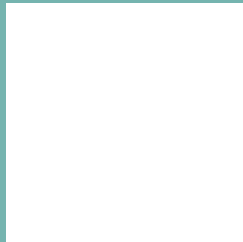
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 21.642, 190.319

Background



This preview shows how black text looks on a background with the CIELCh color 69, 21.642, 190.319.

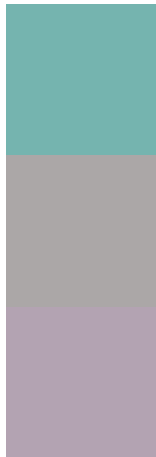


This preview shows how white text looks on a background with the CIELCh color 69, 21.642, 190.319.

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

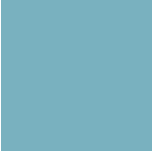
69, 21.642, 190.319

Protanopia

69, 1.519, 19.221

Deuteranopia

69, 10.231, 326.638



Tritanopia
69, 19.580, 221.392

Trichromacy



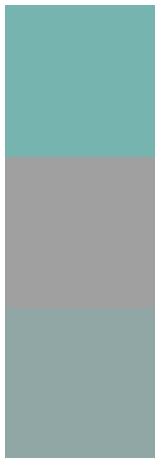
Original Color
69, 21.642, 190.319

Protanomaly
69, 7.803, 190.681

Deuteranomaly
68, 6.377, 242.909

Tritanomaly
69, 19.783, 209.203

Monochromacy



Original Color
69, 21.642, 190.319

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 8.544, 191.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 21.642, 190.319 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(117, 180, 175)` looks like.

```
.text, #text, p{  
    color:rgb(117, 180, 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(117, 180, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 180, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 21.642, 190.319 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(117, 180, 175) }
```

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

```
.border{ border-color:rgb(117, 180, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 180, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 180, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 180, 175);  
box-shadow:4px 4px 4px 4px rgb(117, 180,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 21.642, 190.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 180, 175) }
```

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

```
.background{ background-color: rgb(117,  
180, 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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