

Converting Colors

CIELCh(71, 27.403, 188.530)

Have a look what the booklet for
CIELCh(71, 27.403, 188.530)
contains.

CIELCh(71, 27.494, 188.042)	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(71, 27.494, 188.042)

Conversions

Conversions Part 1

Format	Color
Hex	69BCB4
RGB	105, 188, 180
RGB Percent	41%, 74%, 71%
CMY	0.5888, 0.2633, 0.2947
CMYK	0.44, 0.00, 0.04, 0.26
HSL	174°, 38%, 57%
HSV	174°, 44%, 74%
XYZ	31.9837, 42.1875, 49.5601
YIQ	162.2710, -46.9000, -20.0840

Conversions

Conversions Part 2

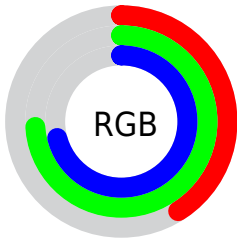
Format	Color
R_{YB}	105, 149, 188
Decimal	6929588
CIE _{Lab}	71.00, -27.22, -3.85
CIE _{LCh}	71, 27.494, 188.042
Yxy	42.1875, 0.2585, 0.3410
Android (android.graphics.Color)	4285119668 (0xFF69BCB4)
YUV	162.2710, 8.7404, -50.2267
Hunter-Lab	64.9519, -25.7686, 0.2264

Details

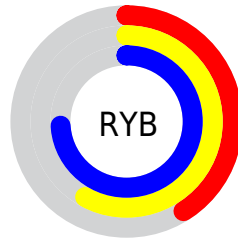
The CIELCh color **71, 27.494, 188.042** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **54, 35.459, 16.794**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 27.580, 187.831**, and **51, 27.416, 188.035** is the 20% darker color. If you saturate the color by 10%, you get **70, 32.198, 187.213**, and if you desaturate by 10%, it is **72, 22.103, 188.842**.

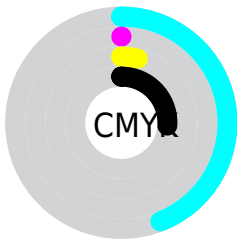
Distribution



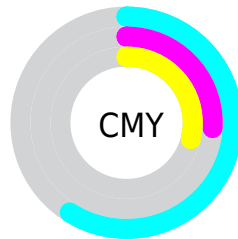
- Red (41%)
- Green (74%)
- Blue (71%)



- Red (41%)
- Yellow (58%)
- Blue (74%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (26%)





- Cyan (59%)
- Magenta (26%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 27.494, 188.042 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 71, 27.494, 188.042 by changing the saturation by 10% instead.


 71, 27.494,
188.042


 71, 27.494,
188.042


 100, 27.494,
188.042


 61, 27.494,
188.042


 91, 27.494,
188.042

 51, 27.494,
188.042

 41, 27.494,
188.042

 31, 27.494,
188.042

 21, 27.494,
188.042

 11, 27.494,
188.042

 1, 27.494, 188.042

0, 27.494, 188.042

71, 27.494,
188.042

71, 27.494,
188.042

70, 32.198,
187.213

72, 22.103,
188.842

70, 36.126,
186.350

73, 16.133,
189.631

69, 39.221,
185.433

74, 9.700, 190.420

69, 41.477,
184.445

76, 2.915, 191.302

69, 42.946,
183.369

77, 4.119, 11.754

69, 43.578,
182.722

79, 11.314, 12.577

81, 18.598, 13.330

■ 82, 25.856, 14.043

■ 82, 25.900, 11.955

Harmonies

Complementary

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



71, 27.494, 188.042



54, 35.459, 16.794

Rectangle

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



71, 27.494, 188.042



71, 27.494, 238.042



71, 27.494, 8.042



71, 27.494, 58.042

Sweetspot

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



71, 27.494, 188.040



94, 11.047, 190.497



70, 52.840, 138.806



50, 7.690, 190.321



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 27.494, 188.040



89, 39.113, 187.240



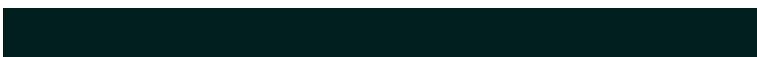
62, 23.698, 250.945



39, 3.929, 190.814



58, 38.306, 182.882



9, 12.234, 186.301

Inverse Universe

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



54, 35.459, 16.794



64, 53.719, 18.883



62, 29.223, 59.592



37, 4.122, 12.138



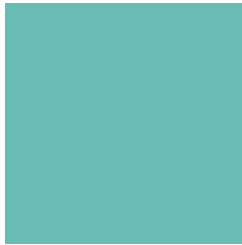
33, 69.083, 35.479



3, 12.325, 13.868

Previews

White Background



This preview shows how the CIELCh color 71, 27.494, 188.042 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 71, 27.494, 188.042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

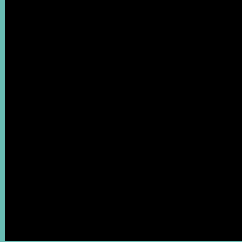
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 27.494, 188.042

Background



This preview shows how black text looks on a background with the CIELCh color 71, 27.494, 188.042.

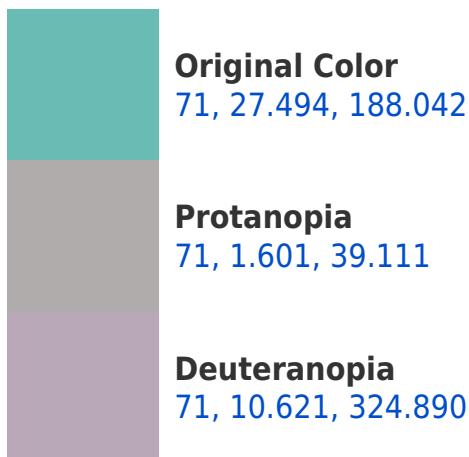


This preview shows how white text looks on a background with the CIELCh color 71, 27.494, 188.042.

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](#).

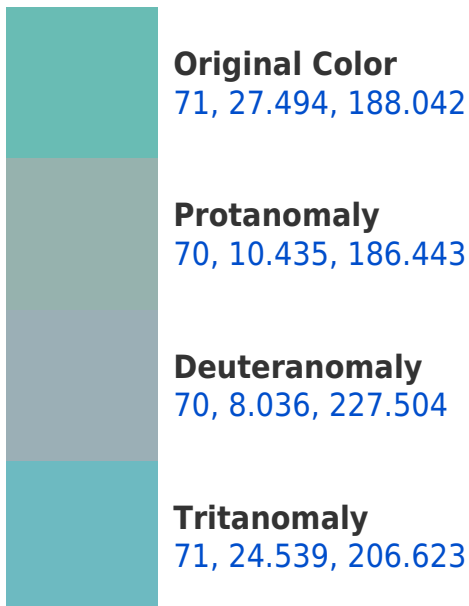
Dichromacy



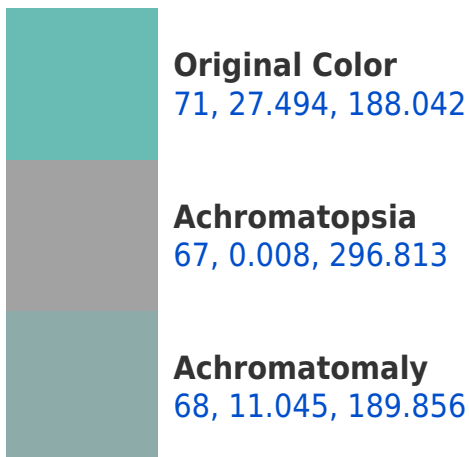


Tritanopia
71, 24.157, 217.761

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 27.494, 188.042 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(105, 188, 180)` looks like.

```
.text, #text, p{  
    color:rgb(105, 188, 180)  
}
```

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(105, 188, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 188, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 27.494, 188.042 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(105, 188, 180) }
```

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

```
.border{ border-color:rgb(105, 188, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 188, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 188, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 188, 180);  
box-shadow:4px 4px 4px 4px rgb(105, 188,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 27.494, 188.042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 188, 180) }
```

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

```
.background{ background-color: rgb(105,  
188, 180) }
```

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