

Converting Colors

CIELCh(72, 28.667, 164.245)

Have a look what the booklet for
CIELCh(72, 28.667, 164.245)
contains.

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Color

CIELCh(72, 28.818, 163.970)

Conversions

Conversions Part 1

Format	Color
Hex	7BBEA1
RGB	123, 190, 161
RGB Percent	48%, 75%, 63%
CMY	0.5173, 0.2545, 0.3683
CMYK	0.35, 0.00, 0.15, 0.25
HSL	154°, 34%, 61%
HSV	154°, 35%, 75%
XYZ	33.0539, 43.6590, 40.4428
YIQ	166.6610, -30.6230, -23.2230

Conversions

Conversions Part 2

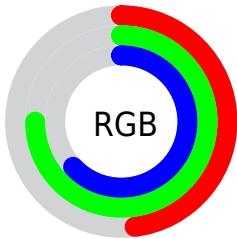
Format	Color
RYB	123, 166, 190
Decimal	8109729
CIELab	72.00, -27.70, 7.96
CIELCh	72, 28.818, 163.970
Yxy	43.6590, 0.2821, 0.3727
Android (android.graphics.Color)	4286299809 (0xFF7BBEA1)
YUV	166.6610, -2.7909, -38.2907
Hunter-Lab	66.0750, -26.3369, 9.9626

Details

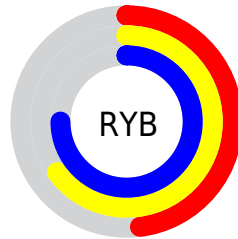
The CIELCh color **72, 28.818, 163.970** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59, 30.582, 351.073**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 28.841, 163.815**, and **52, 28.750, 163.570** is the 20% darker color. If you saturate the color by 10%, you get **71, 36.399, 162.721**, and if you desaturate by 10%, it is **73, 20.867, 165.088**.

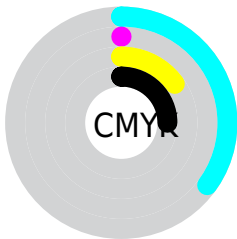
Distribution



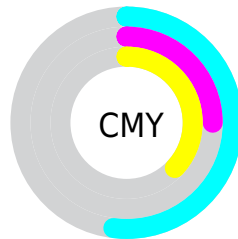
- Red (48%)
- Green (75%)
- Blue (63%)



- Red (48%)
- Yellow (65%)
- Blue (75%)



- Cyan (35%)
- Magenta (0%)
- Yellow (15%)
- Black (25%)





- Cyan (52%)
- Magenta (25%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 28.818, 163.970 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 72, 28.818, 163.970 by changing the saturation by 10% instead.


 72, 28.818,
163.970


 72, 28.818,
163.970


 100, 28.818,
163.970


 62, 28.818,
163.970


 92, 28.818,
163.970

 52, 28.818,
163.970

 42, 28.818,
163.970

 32, 28.818,
163.970

 22, 28.818,
163.970

 12, 28.818,
163.970

 2, 28.818, 163.970

0, 28.818, 163.970

72, 28.818,
163.970

72, 28.818,
163.970

71, 36.399,
162.721

73, 20.867,
165.088

70, 43.468,
161.319

75, 12.678,
166.105

69, 49.899,
159.738

76, 4.369, 167.080

69, 55.593,
157.957

78, 3.959, 347.717


68, 60.502,
155.966

80, 12.228,
348.560


68, 64.655,
153.774

82, 20.377,
349.292

84, 28.007,

 68, 66.479,
152.732

349.462

 84, 30.278,
342.345

 84, 32.979,
336.368

Harmonies

Complementary

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



72, 28.818, 163.970



59, 30.582, 351.073

Rectangle

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



72, 28.818, 163.970



72, 28.818, 213.970



72, 28.818, 343.970



72, 28.818, 33.970

Sweetspot

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



72, 28.819, 163.969



95, 11.338, 166.498



73, 38.755, 129.751



51, 7.678, 166.367



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 28.819, 163.969



90, 42.039, 163.055



71, 20.721, 204.645



39, 4.690, 166.674



57, 57.616, 153.081



9, 15.828, 160.066

Inverse Universe

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



59, 30.582, 351.073



72, 45.112, 352.107



60, 26.668, 27.520



37, 4.767, 348.204



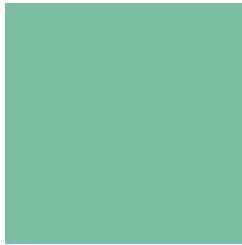
33, 59.076, 7.825



3, 13.482, 355.494

Previews

White Background



This preview shows how the CIELCh color 72, 28.818, 163.970 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 72, 28.818, 163.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

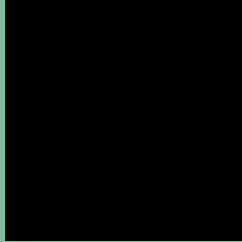
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 28.818, 163.970

Background



This preview shows how black text looks on a background with the CIELCh color 72, 28.818, 163.970.



This preview shows how white text looks on a background with the CIELCh color 72, 28.818, 163.970.

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
72, 28.818, 163.970

Protanopia
72, 12.447, 92.351

Deuteranopia
72, 10.517, 35.080



Tritanopia
72, 18.911, 223.981

Trichromacy



Original Color
72, 28.818, 163.970

Protanomaly
71, 14.798, 136.709

Deuteranomaly
71, 7.721, 132.711

Tritanomaly
72, 19.660, 196.282

Monochromacy



Original Color
72, 28.818, 163.970

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 10.543, 167.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 28.818, 163.970 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(123, 190, 161)` looks like.

```
.text, #text, p{  
    color:rgb(123, 190, 161)  
}
```

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(123, 190, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 190, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 28.818, 163.970 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(123, 190, 161) }
```

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

```
.border{ border-color:rgb(123, 190, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 190, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 190, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 190, 161);  
box-shadow:4px 4px 4px 4px rgb(123, 190,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 28.818, 163.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 190, 161) }
```

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

```
.background{ background-color: rgb(123,  
190, 161) }
```

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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