

Converting Colors

CIELCh(72, 20.148, 194.071)

Have a look what the booklet for
CIELCh(72, 20.148, 194.071)
contains.

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Color

CIELCh(72, 20.049, 194.708)

Conversions

Conversions Part 1

Format	Color
Hex	80BBB9
RGB	128, 187, 185
RGB Percent	50%, 73%, 73%
CMY	0.4978, 0.2665, 0.2743
CMYK	0.32, 0.00, 0.01, 0.27
HSL	178°, 30%, 62%
HSV	178°, 32%, 73%
XYZ	35.4520, 43.6590, 52.4842
YIQ	169.1310, -34.5220, -13.1300

Conversions

Conversions Part 2

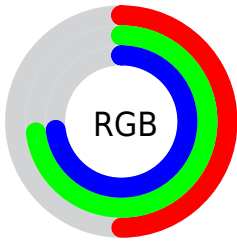
Format	Color
RYB	128, 158, 187
Decimal	8436665
CIELab	72.00, -19.39, -5.09
CIELCh	72, 20.049, 194.708
Yxy	43.6590, 0.2694, 0.3318
Android (android.graphics.Color)	4286626745 (0xFF80BBB9)
YUV	169.1310, 7.8234, -36.0719
Hunter-Lab	66.0750, -19.8586, -0.8423

Details

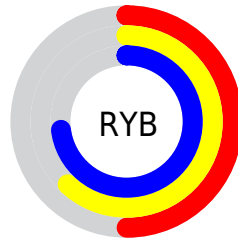
The CIELCh color **72, 20.049, 194.708** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60, 24.514, 19.491**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 19.854, 195.135**, and **52, 20.334, 194.082** is the 20% darker color. If you saturate the color by 10%, you get **71, 25.341, 194.148**, and if you desaturate by 10%, it is **73, 14.166, 195.294**.

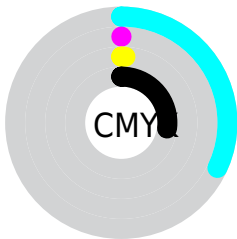
Distribution



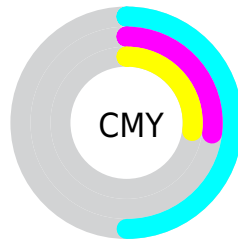
- Red (50%)
- Green (73%)
- Blue (73%)



- Red (50%)
- Yellow (62%)
- Blue (73%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)





- Cyan (50%)
- Magenta (27%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 20.049, 194.708 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, 20.049, 194.708 by changing the saturation by 10% instead.


 72, 20.049,
194.708


 72, 20.049,
194.708


 100, 20.049,
194.708


 62, 20.049,
194.708


 92, 20.049,
194.708


 52, 20.049,
194.708

 42, 20.049,
194.708

 32, 20.049,
194.708

 22, 20.049,
194.708

 12, 20.049,
194.708

 2, 20.049, 194.708

0, 20.049, 194.708

72, 20.049,
194.708

72, 20.049,
194.708

71, 25.341,
194.148

73, 14.166,
195.294

70, 29.934,
193.620

74, 7.801, 195.927

70, 33.744,
193.119

76, 1.065, 196.973

77, 5.944, 17.037

69, 36.713,
192.639

79, 13.139, 17.737

69, 38.832,
192.170

81, 20.446, 18.411

82, 26.231, 18.783

69, 40.142,
191.703

82, 26.213, 18.061

■ 69, 40.790,
191.306

■ 82, 26.199, 17.337

Harmonies

Complementary

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



72, 20.049, 194.708



60, 24.514, 19.491

Rectangle

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



72, 20.049, 194.708



72, 20.049, 244.708



72, 20.049, 14.708



72, 20.049, 64.708

Sweetspot

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



72, 20.049, 194.705



94, 7.547, 196.091



71, 38.528, 141.050



50, 5.269, 195.990



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 20.049, 194.705



90, 28.968, 194.308



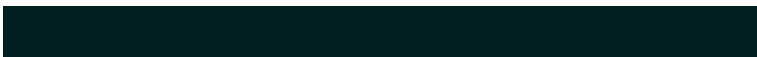
65, 17.975, 254.576



39, 3.877, 196.076



59, 36.006, 191.368



9, 11.830, 192.950

Inverse Universe

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



60, 24.514, 19.491



72, 37.282, 20.518



66, 20.162, 66.226



37, 4.096, 17.169



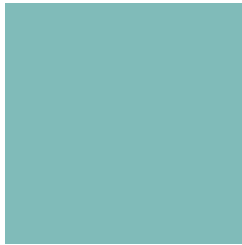
32, 71.494, 38.289



3, 12.264, 17.448

Previews

White Background



This preview shows how the CIELCh color 72, 20.049, 194.708 looks on a white background.

Color Contrast Check

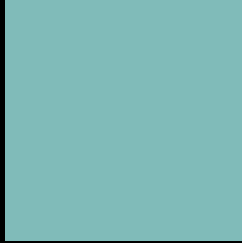
Large Text (above 18pt) WCAG AA × Fail

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 72, 20.049, 194.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

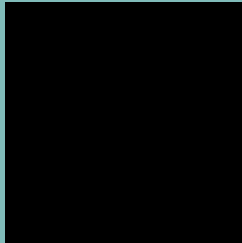
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 20.049, 194.708

Background



This preview shows how black text looks on a background with the CIELCh color 72, 20.049, 194.708.

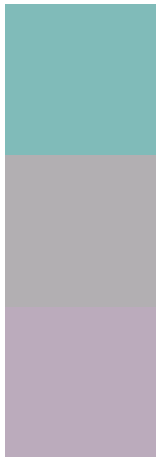


This preview shows how white text looks on a background with the CIELCh color 72, 20.049, 194.708.

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

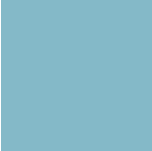
72, 20.049, 194.708

Protanopia

72, 1.999, 324.415

Deuteranopia

72, 11.039, 323.293



Tritanopia
72, 18.911, 223.981

Trichromacy



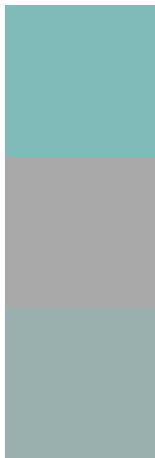
Original Color
72, 20.049, 194.708

Protanomaly
72, 6.938, 207.991

Deuteranomaly
72, 6.664, 254.287

Tritanomaly
72, 18.720, 213.357

Monochromacy



Original Color
72, 20.049, 194.708

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 8.037, 194.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 20.049, 194.708 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(128, 187, 185)` looks like.

```
.text, #text, p{  
    color:rgb(128, 187, 185)  
}
```

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(128, 187, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 187, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 20.049, 194.708 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(128, 187, 185) }
```

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

```
.border{ border-color:rgb(128, 187, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 187, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 187, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 187, 185); box-shadow:4px 4px 4px 4px rgb(128, 187, 185) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 20.049, 194.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 187, 185) }
```

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

```
.background{ background-color: rgb(128,  
187, 185) }
```

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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