

Converting Colors

CIELCh(72, 25.942, 167.164)

Have a look what the booklet for
CIELCh(72, 25.942, 167.164)
contains.

CIELCh(72, 25.838, 166.984)	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(72, 25.838, 166.984)

Conversions

Conversions Part 1

Format	Color
Hex	7FBDA5
RGB	127, 189, 165
RGB Percent	50%, 74%, 65%
CMY	0.5017, 0.2586, 0.3527
CMYK	0.33, 0.00, 0.13, 0.26
HSL	157°, 32%, 62%
HSV	157°, 33%, 74%
XYZ	33.7706, 43.6590, 42.2746
YIQ	167.7260, -29.2480, -20.6080

Conversions

Conversions Part 2

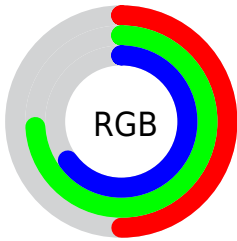
Format	Color
RYB	127, 165, 189
Decimal	8371621
CIELab	72.00, -25.17, 5.82
CIELCh	72, 25.838, 166.984
Yxy	43.6590, 0.2821, 0.3647
Android (android.graphics.Color)	4286561701 (0xFF7FBDA5)
YUV	167.7260, -1.3439, -35.7167
Hunter-Lab	66.0750, -24.4006, 8.3189

Details

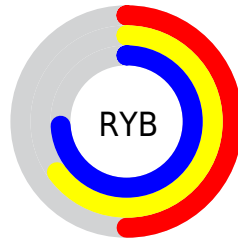
The CIELCh color $72, 25.838, 166.984$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $60, 27.658, 353.684$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 26.226, 166.863$, and $52, 25.690, 166.992$ is the 20% darker color. If you saturate the color by 10%, you get $71, 33.149, 165.766$, and if you desaturate by 10%, it is $73, 18.169, 168.083$.

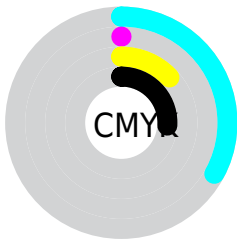
Distribution



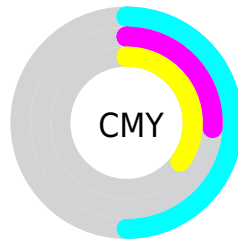
- Red (50%)
- Green (74%)
- Blue (65%)



- Red (50%)
- Yellow (65%)
- Blue (74%)



- Cyan (33%)
- Magenta (0%)
- Yellow (13%)
- Black (26%)




- Cyan (50%)
- Magenta (26%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 25.838, 166.984 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, 25.838, 166.984 by changing the saturation by 10% instead.


 72, 25.838,
166.984


 72, 25.838,
166.984


 100, 25.838,
166.984


 62, 25.838,
166.984


 92, 25.838,
166.984

 52, 25.838,
166.984

 42, 25.838,
166.984

 32, 25.838,
166.984

 22, 25.838,
166.984

 12, 25.838,
166.984

 2, 25.838, 166.984

■ 0, 25.838, 166.984

■ 72, 25.838,
166.984

■ 72, 25.838,
166.984

■ 71, 33.149,
165.766

■ 73, 18.169,
168.083

■ 70, 39.964,
164.410

■ 75, 10.267,
169.097

■ 69, 46.161,
162.888

■ 76, 2.244, 170.159

■ 69, 51.638,
161.178

■ 78, 5.803, 350.740

■ 68, 56.342,
159.262

■ 80, 13.802,
351.570

■ 68, 60.287,
157.140

■ 82, 21.694,
352.320

■ 83, 28.028,

■ 68, 62.800,
155.556

351.209

■ 83, 29.919,
344.683

■ 84, 32.177,
339.050

Harmonies

Complementary

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



72, 25.838, 166.984



60, 27.658, 353.684

Rectangle

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



72, 25.838, 166.984



72, 25.838, 216.984



72, 25.838, 346.984



72, 25.838, 36.984

Sweetspot

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



72, 25.839, 166.982



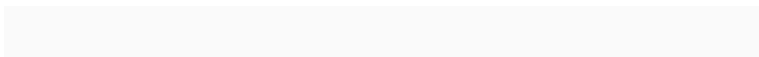
95, 9.907, 169.356



73, 36.275, 130.988



50, 6.754, 169.218



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, 25.839, 166.982



90, 37.488, 166.166



71, 18.828, 208.440



39, 4.546, 169.435



57, 54.679, 155.893



9, 15.282, 162.492

Inverse Universe

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



60, 27.658, 353.684



73, 40.688, 354.650



61, 23.796, 30.037



37, 4.636, 351.006



33, 59.393, 12.218



3, 13.224, 358.050

Previews

White Background



This preview shows how the CIELCh color 72, 25.838, 166.984 looks on a white background.

Color Contrast Check

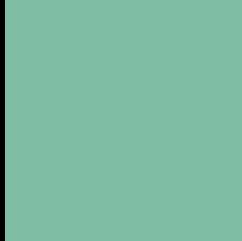
Large Text (above 18pt) WCAG AA × Fail

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, 25.838, 166.984 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

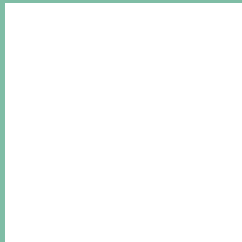
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 25.838, 166.984

Background



This preview shows how black text looks on a background with the CIELCh color 72, 25.838, 166.984.

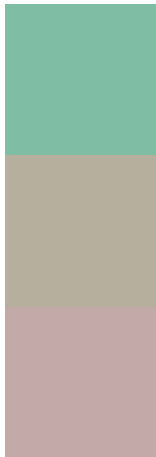


This preview shows how white text looks on a background with the CIELCh color 72, 25.838, 166.984.

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, 25.838, 166.984

Protanopia

72, 9.732, 90.477

Deuteranopia

72, 9.685, 23.389



Tritanopia
72, 17.871, 225.693

Trichromacy



Original Color
72, 25.838, 166.984



Protanomaly
72, 12.235, 141.044



Deuteranomaly
71, 5.586, 137.955



Tritanomaly
72, 18.334, 199.707

Monochromacy



Original Color
72, 25.838, 166.984



Achromatopsia
69, 0.009, 296.813



Achromatomaly
70, 9.920, 168.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 25.838, 166.984 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(127, 189, 165)` looks like.

```
.text, #text, p{  
    color:rgb(127, 189, 165)  
}
```

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(127, 189, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 189, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 25.838, 166.984 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(127, 189, 165) }
```

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

```
.border{ border-color:rgb(127, 189, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 189, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 189, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 189, 165);  
box-shadow:4px 4px 4px 4px rgb(127, 189,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 25.838, 166.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 189, 165) }
```

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

```
.background{ background-color: rgb(127,  
189, 165) }
```

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