

Converting Colors

CIELCh(87, 20.742, 162.188)

Have a look what the booklet for
CIELCh(87, 20.742, 162.188)
contains.

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Color

CIELCh(87, 20.666, 162.402)

Conversions

Conversions Part 1

Format	Color
Hex	B5E4CD
RGB	181, 228, 205
RGB Percent	71%, 89%, 80%
CMY	0.2887, 0.1043, 0.1945
CMYK	0.21, 0.00, 0.10, 0.10
HSL	151°, 47%, 80%
HSV	151°, 21%, 90%
XYZ	58.0691, 70.0064, 68.4592
YIQ	211.3250, -20.6290, -17.1170

Conversions

Conversions Part 2

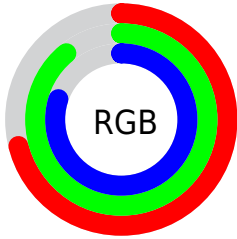
Format	Color
RYB	181, 212, 228
Decimal	11920589
CIELab	87.00, -19.70, 6.25
CIELCh	87, 20.666, 162.402
Yxy	70.0064, 0.2955, 0.3562
Android (android.graphics.Color)	4290110669 (0xFFB5E4CD)
YUV	211.3250, -3.1182, -26.5950
Hunter-Lab	83.6698, -22.5384, 10.0574

Details

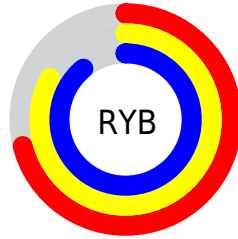
The CIELCh color $87, 20.666, 162.402$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $79, 21.237, 346.053$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 6.178, 199.121$, and $67, 20.439, 163.106$ is the 20% darker color. If you saturate the color by 10%, you get $85, 30.508, 161.340$, and if you desaturate by 10%, it is $89, 10.647, 163.364$.

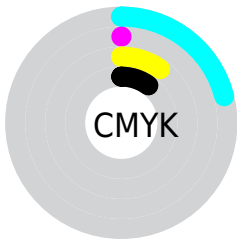
Distribution



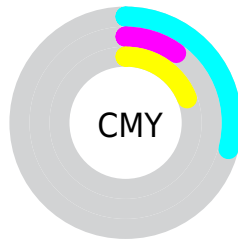
- Red (71%)
- Green (89%)
- Blue (80%)



- Red (71%)
- Yellow (83%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)





- Cyan (29%)
- Magenta (10%)
- Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 20.666, 162.402 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 87, 20.666, 162.402 by changing the saturation by 10% instead.


 87, 20.666,
162.402


 87, 20.666,
162.402


 100, 20.666,
162.402


 77, 20.666,
162.402

 67, 20.666,
162.402

 57, 20.666,
162.402

 47, 20.666,
162.402

 37, 20.666,
162.402


 27, 20.666,
162.402


 17, 20.666,


162.402

 7, 20.666, 162.402


 0, 20.666, 162.402

 87, 20.666,
162.402


 87, 20.666,
162.402

 85, 30.508,
161.340


 89, 10.647,
163.364


 84, 40.012,
160.152

 91, 0.580, 164.955


 83, 49.007,
158.809

 93, 9.428, 344.902

 82, 57.324,
157.287

 93, 14.635,
330.589

 81, 64.816,

 94, 16.621,
325.000

155.563

■ 81, 71.388,
153.624

■ 80, 77.022,
151.475

■ 80, 81.608,
149.339

Harmonies

Complementary

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



87, 20.666, 162.402



79, 21.237, 346.053

Rectangle

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



87, 20.666, 162.402



87, 20.666, 212.402



87, 20.666, 342.402



87, 20.666, 32.402

Sweetspot

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



87, 20.668, 162.400



99, 6.595, 163.794



88, 25.922, 128.129



53, 4.375, 163.730



0, 0.000, 0.000



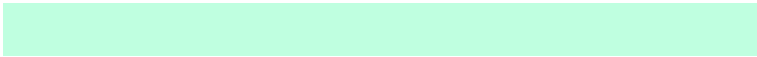
53, 0.007, 296.813

Same Dimension

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



87, 20.668, 162.400



95, 27.382, 161.930



88, 15.857, 198.363



47, 5.735, 163.469



64, 67.309, 149.742



18, 26.003, 153.968

Inverse Universe

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



79, 21.237, 346.053



84, 28.302, 346.529



78, 18.170, 20.896



45, 5.812, 344.978



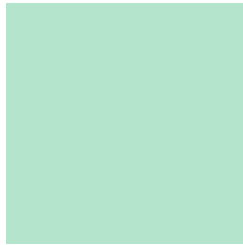
38, 64.760, 2.884



7, 27.511, 355.736

Previews

White Background



This preview shows how the CIELCh color 87, 20.666, 162.402 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 87, 20.666, 162.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

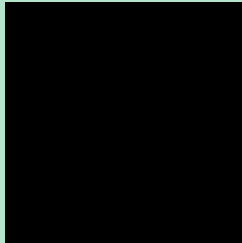
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

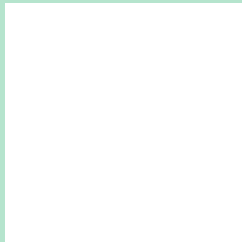
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 20.666, 162.402

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.666, 162.402.

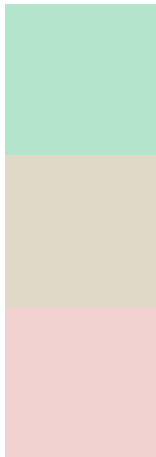


This preview shows how white text looks on a background with the CIELCh color 87, 20.666, 162.402.

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
87, 20.666, 162.402

Protanopia
87, 9.837, 91.673

Deuteranopia
87, 11.539, 22.788

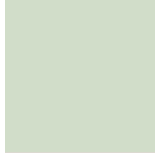


Tritanopia
87, 14.707, 238.857

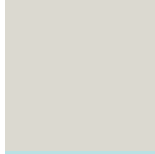
Trichromacy



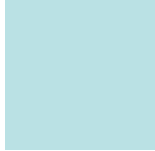
Original Color
87, 20.666, 162.402



Protanomaly
87, 11.360, 132.116



Deuteranomaly
87, 4.743, 100.884

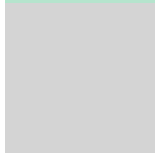


Tritanomaly
87, 13.296, 205.370

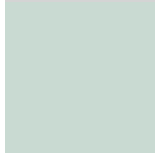
Monochromacy



Original Color
87, 20.666, 162.402



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 7.450, 164.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.666, 162.402 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(181, 228, 205)` looks like.

```
.text, #text, p{  
    color:rgb(181, 228, 205)  
}
```

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(181, 228, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 228, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.666, 162.402 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(181, 228, 205) }
```

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

```
.border{ border-color:rgb(181, 228, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 228, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 228, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 228, 205);  
box-shadow:4px 4px 4px 4px rgb(181, 228,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.666, 162.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 228, 205) }
```

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

```
.background{ background-color: rgb(181,  
228, 205) }
```

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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