

Converting Colors

CIELCh(90, 28.445, 172.661)

Have a look what the booklet for
CIELCh(90, 28.445, 172.661)
contains.

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Color

CIElCh(90, 28.442, 172.620)

Conversions

Conversions Part 1

Format	Color
Hex	A5F1DA
RGB	165, 241, 218
RGB Percent	65%, 95%, 85%
CMY	0.3513, 0.0531, 0.1434
CMYK	0.31, 0.00, 0.10, 0.05
HSL	162°, 74%, 80%
HSV	162°, 31%, 95%
XYZ	59.9044, 76.3034, 78.1979
YIQ	215.6540, -37.9130, -23.2650

Conversions

Conversions Part 2

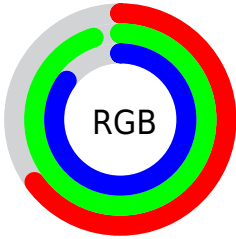
Format	Color
R _Y B	165, 210, 241
Decimal	10875354
CIE Lab	90.00, -28.21, 3.65
CIE LCh	90, 28.442, 172.620
Yxy	76.3034, 0.2794, 0.3559
Android (android.graphics.Color)	4289065434 (0xFFA5F1DA)
YUV	215.6540, 1.1566, -44.4236
Hunter-Lab	87.3518, -30.4532, 8.0694

Details

The CIELCh color **90, 28.442, 172.620** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **76, 31.222, 359.328**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.153, 198.761**, and **70, 28.768, 172.284** is the 20% darker color. If you saturate the color by 10%, you get **89, 36.669, 171.419**, and if you desaturate by 10%, it is **91, 19.719, 173.718**.

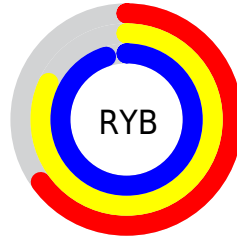
Distribution



Red (65%)

Green (95%)

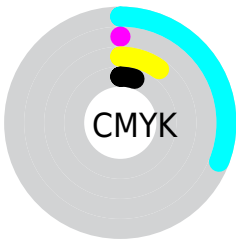
Blue (85%)



Red (65%)

Yellow (82%)

Blue (95%)

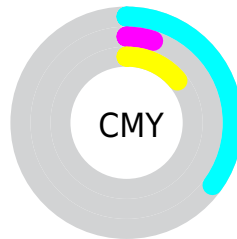


Cyan (31%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (35%)


Magenta (5%)


Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 28.442, 172.620 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 90, 28.442, 172.620 by changing the saturation by 10% instead.

 90, 28.442,
172.620

 90, 28.442,
172.620


 100, 28.442,
172.620


 80, 28.442,
172.620

 70, 28.442,
172.620

 60, 28.442,
172.620

 50, 28.442,
172.620

 40, 28.442,
172.620

 30, 28.442,
172.620

 20, 28.442,

172.620

■ 10, 28.442,
172.620

■ 0, 28.442, 172.620

■ 90, 28.442,
172.620

■ 90, 28.442,
172.620

■ 89, 36.669,
171.419

■ 91, 19.719,
173.718

■ 88, 44.239,
170.097

■ 93, 10.652,
174.749

■ 87, 51.005,
168.626

■ 95, 1.380, 176.033

■ 86, 56.855,
166.982

■ 96, 5.776, 346.273

■ 97, 8.438, 324.734

■ 86, 61.734,
165.141

■ 97, 8.445, 324.699

■ 85, 65.672,
163.096

■ 85, 68.447,
161.239

Harmonies

Complementary

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



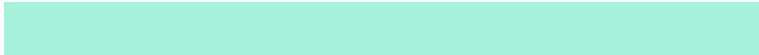
90, 28.442, 172.620



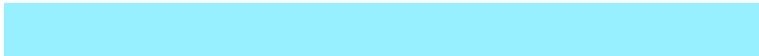
76, 31.222, 359.328

Rectangle

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



90, 28.442, 172.620



90, 28.442, 222.620



90, 28.442, 352.620



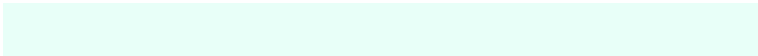
90, 28.442, 42.620

Sweetspot

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



90, 28.443, 172.618



98, 8.741, 174.999



90, 43.534, 133.695



52, 6.068, 174.850



0, 0.000, 0.000



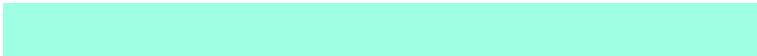
53, 0.007, 296.813

Same Dimension

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



90, 28.443, 172.618



94, 35.394, 171.836



87, 20.894, 218.789



49, 5.247, 174.954



66, 55.373, 161.650



20, 22.916, 165.143

Inverse Universe

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



76, 31.222, 359.328



76, 39.661, 0.352



78, 26.131, 37.607



47, 5.392, 356.618



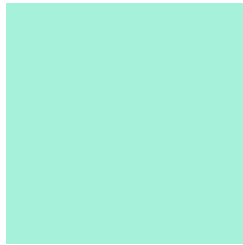
39, 68.414, 20.836



8, 28.777, 10.131

Previews

White Background



This preview shows how the CIELCh color 90, 28.442, 172.620 looks on a white background.

Color Contrast Check

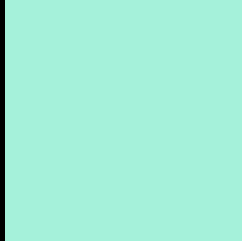
Large Text (above 18pt) WCAG AA × Fail

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 90, 28.442, 172.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

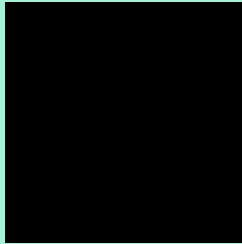
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

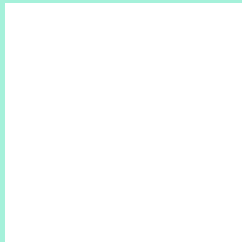
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 28.442, 172.620

Background



This preview shows how black text looks on a background with the CIELCh color 90, 28.442, 172.620.

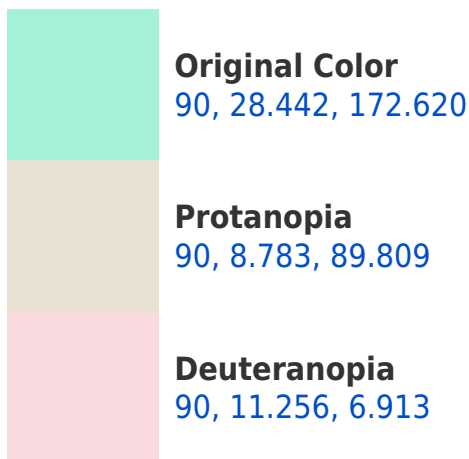



This preview shows how white text looks on a background with the CIELCh color 90, 28.442, 172.620.

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



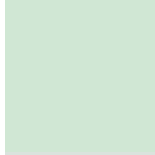


Tritanopia
90, 21.580, 225.726

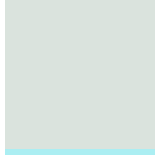
Trichromacy



Original Color
90, 28.442, 172.620



Protanomaly
90, 12.946, 149.017



Deuteranomaly
89, 4.503, 155.472

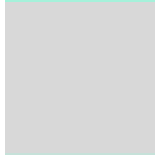


Tritanomaly
90, 21.673, 203.583

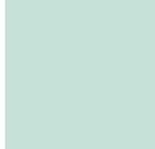
Monochromacy



Original Color
90, 28.442, 172.620



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 10.466, 175.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 28.442, 172.620 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(165, 241, 218)` looks like.

```
.text, #text, p{  
    color:rgb(165, 241, 218)  
}
```

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(165, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 241, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 28.442, 172.620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

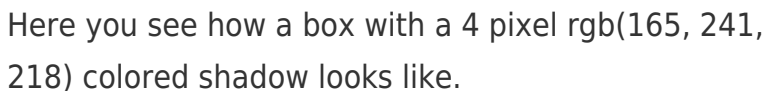
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 241, 218) }
```

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

```
.border{ border-color:rgb(165, 241, 218) }
```

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



Here you see how a box with a 4 pixel rgb(165, 241, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 241, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 241, 218);  
box-shadow:4px 4px 4px 4px rgb(165, 241,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 28.442, 172.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 241, 218) }
```

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

```
.background{ background-color: rgb(165,  
241, 218) }
```

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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