

Converting Colors

CIELCh(89, 20.657, 215.473)

Have a look what the booklet for
CIELCh(89, 20.657, 215.473)
contains.

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Color

CIElCh(89, 20.620, 215.972)

Conversions

Conversions Part 1

Format	Color
Hex	ACEAF6
RGB	172, 234, 246
RGB Percent	67%, 92%, 96%
CMY	0.3260, 0.0829, 0.0359
CMYK	0.30, 0.05, 0.00, 0.04
HSL	190°, 80%, 82%
HSV	190°, 30%, 96%
XYZ	62.9773, 74.1641, 98.0687
YIQ	216.8300, -40.8040, -9.4120

Conversions

Conversions Part 2

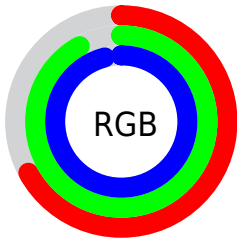
Format	Color
RYB	172, 206, 246
Decimal	11332342
CIELab	89.00, -16.69, -12.11
CIELCh	89, 20.620, 215.972
Yxy	74.1641, 0.2677, 0.3153
Android (android.graphics.Color)	4289522422 (0xFFACEAF6)
YUV	216.8300, 14.3808, -39.3159
Hunter-Lab	86.1186, -20.1730, -7.2342

Details

The CIELCh color **89, 20.620, 215.972** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80, 25.561, 35.522**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.853, 198.921**, and **69, 20.642, 216.715** is the 20% darker color. If you saturate the color by 10%, you get **87, 26.316, 216.573**, and if you desaturate by 10%, it is **91, 14.269, 215.577**.

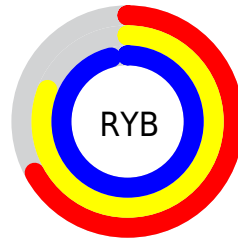
Distribution



Red (67%)

Green (92%)

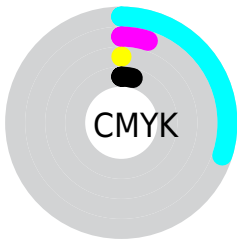
Blue (96%)



Red (67%)

Yellow (81%)

Blue (96%)

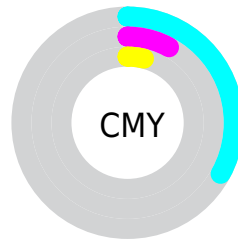


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (4%)



Cyan (33%)

Magenta (8%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 20.620, 215.972 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 89, 20.620, 215.972 by changing the saturation by 10% instead.

■ 89, 20.620,
215.972

■ 89, 20.620,
215.972

■ 100, 20.620,
215.972

■ 79, 20.620,
215.972

■ 69, 20.620,
215.972

■ 59, 20.620,
215.972

■ 49, 20.620,
215.972

■ 39, 20.620,
215.972

■ 29, 20.620,
215.972

■ 19, 20.620,

215.972

■ 9, 20.620, 215.972

■ 0, 20.620, 215.972

■ 89, 20.620,
215.972

■ 89, 20.620,
215.972

■ 87, 26.316,
216.573

■ 91, 14.269,
215.577

■ 85, 31.239,
217.443

■ 94, 7.383, 215.378

■ 97, 0.074, 223.862

■ 83, 35.285,
218.636

■ 98, 2.702, 67.110

■ 81, 38.386,
220.222

■ 99, 4.033, 103.769

■ 79, 40.528,

■ 100, 4.625,

222.274

109.816

■ 78, 41.776,
224.858

■ 77, 42.352,
227.919

Harmonies

Complementary

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



89, 20.620, 215.972



80, 25.561, 35.522

Rectangle

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



89, 20.620, 215.972



89, 20.620, 265.972



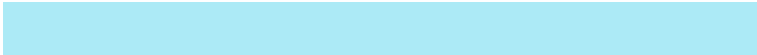
89, 20.620, 35.972



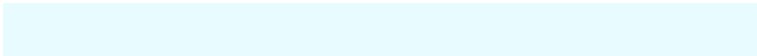
89, 20.620, 85.972

Sweetspot

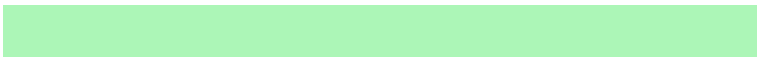
The Sweet Spot groups the original color and five complimentary colors.



89, 20.620, 215.968



97, 6.799, 215.370



91, 42.033, 146.590



52, 4.706, 215.382



0, 0.000, 0.000



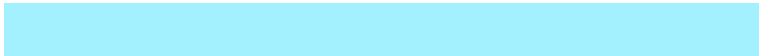
53, 0.007, 296.813

Same Dimension

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



89, 20.620, 215.968



91, 24.785, 216.301



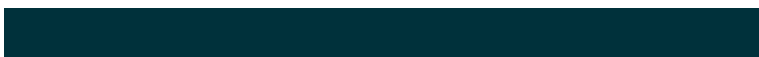
79, 26.649, 274.515



50, 4.148, 215.373



59, 34.369, 227.308



18, 15.330, 222.676

Inverse Universe

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



79, 41.778, 331.113



78, 51.282, 331.503



89, 27.002, 85.833



48, 7.830, 329.790



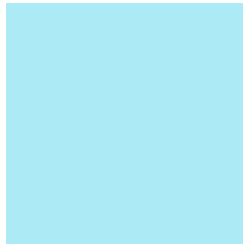
43, 80.377, 335.942



10, 36.330, 334.762

Previews

White Background



This preview shows how the CIELCh color 89, 20.620, 215.972 looks on a white background.

Color Contrast Check

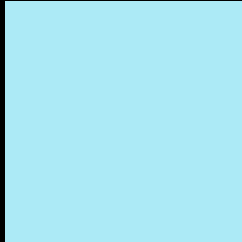
Large Text (above 18pt) WCAG AA × Fail

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 89, 20.620, 215.972 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 89, 20.620, 215.972

Background



This preview shows how black text looks on a background with the CIELCh color 89, 20.620, 215.972.



This preview shows how white text looks on a background with the CIELCh color 89, 20.620, 215.972.

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



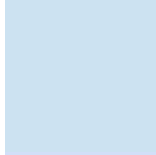


Tritanopia
89, 21.099, 226.498

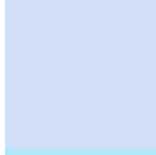
Trichromacy



Original Color
89, 20.620, 215.972



Protanomaly
89, 10.658, 246.445



Deuteranomaly
89, 13.649, 272.563

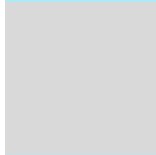


Tritanomaly
89, 20.748, 223.745

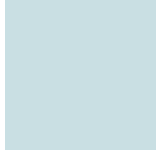
Monochromacy



Original Color
89, 20.620, 215.972



Achromatopsia
87, 0.010, 296.813



Achromatomaly
87, 7.867, 214.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 20.620, 215.972 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(172, 234, 246)` looks like.

```
.text, #text, p{  
    color:rgb(172, 234, 246)  
}
```

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(172, 234, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 234, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 20.620, 215.972 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(172, 234, 246) }
```

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

```
.border{ border-color:rgb(172, 234, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 234, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 234, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 234, 246);  
box-shadow:4px 4px 4px 4px rgb(172, 234,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 20.620, 215.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 234, 246) }
```

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

```
.background{ background-color: rgb(172,  
234, 246) }
```

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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