

Converting Colors

CIELCh(86, 20.902, 256.010)

Have a look what the booklet for
CIELCh(86, 20.902, 256.010)
contains.

CIELCh(86, 20.773, 255.775)	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(86, 20.773, 255.775)

Conversions

Conversions Part 1

Format	Color
Hex	B6DCFD
RGB	182, 220, 253
RGB Percent	71%, 86%, 99%
CMY	0.2875, 0.1385, 0.0092
CMYK	0.28, 0.13, 0.00, 0.01
HSL	208°, 94%, 85%
HSV	208°, 28%, 99%
XYZ	62.3950, 67.9871, 102.4769
YIQ	212.4000, -33.2410, 2.2070

Conversions

Conversions Part 2

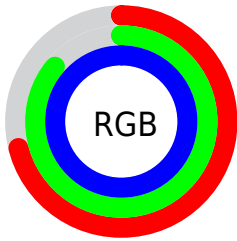
Format	Color
R_{YB}	182, 207, 253
Decimal	11984125
CIE _{Lab}	86.00, -5.10, -20.14
CIE _{LCh}	86, 20.773, 255.775
Yxy	67.9871, 0.2680, 0.2920
Android (android.graphics.Color)	4290174205 (0xFFB6DCFD)
YUV	212.4000, 20.0158, -26.6608
Hunter-Lab	82.4543, -9.2202, -15.9695

Details

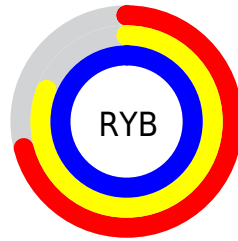
The CIELCh color `86, 20.773, 255.775` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `88, 22.853, 68.150`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 5.502, 199.177`, and `66, 20.721, 255.258` is the 20% darker color. If you saturate the color by 10%, you get `81, 27.836, 257.885`, and if you desaturate by 10%, it is `91, 13.513, 254.020`.

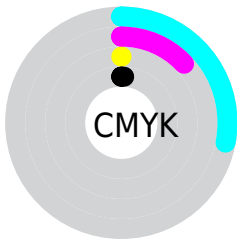
Distribution



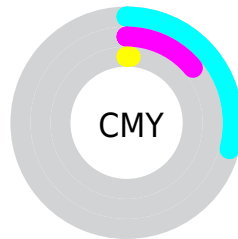
- Red (71%)
- Green (86%)
- Blue (99%)



- Red (71%)
- Yellow (81%)
- Blue (99%)



- Cyan (28%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)





- Cyan (29%)
- Magenta (14%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 20.773, 255.775 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 86, 20.773, 255.775 by changing the saturation by 10% instead.


 86, 20.773,
255.775


 86, 20.773,
255.775


 100, 20.773,
255.775


 76, 20.773,
255.775

 66, 20.773,
255.775

 56, 20.773,
255.775

 46, 20.773,
255.775

 36, 20.773,
255.775

 26, 20.773,
255.775

 16, 20.773,

255.775

■ 6, 20.773, 255.775

■ 0, 20.773, 255.775

■ 86, 20.773,
255.775

■ 86, 20.773,
255.775

■ 81, 27.836,
257.885

■ 91, 13.513,
254.020

■ 77, 34.678,
260.425

■ 95, 6.098, 252.591

■ 73, 41.290,
263.456

100, 1.123,
108.164

■ 68, 47.702,
267.024

100, 1.176,
110.024

■ 64, 53.993,

271.125

■ 61, 60.288,
275.680

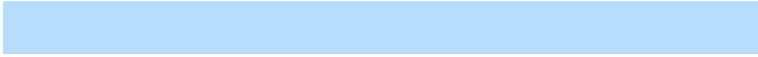
■ 57, 66.739,
280.482

■ 57, 68.006,
281.362

Harmonies

Complementary

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



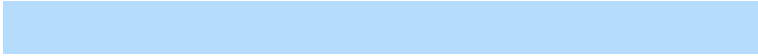
86, 20.773, 255.775



88, 22.853, 68.150

Rectangle

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



86, 20.773, 255.775



86, 20.773, 305.775



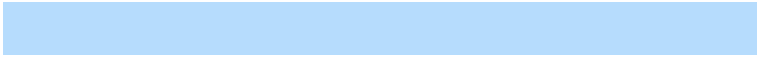
86, 20.773, 75.775



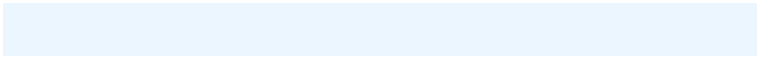
86, 20.773, 125.775

Sweetspot

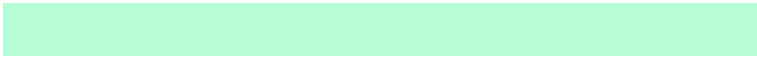
The Sweet Spot groups the original color and five complimentary colors.



86, 20.772, 255.772



96, 6.072, 252.580



94, 31.956, 158.529



51, 4.310, 252.772



0, 0.000, 0.000



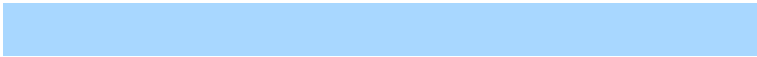
53, 0.007, 296.813

Same Dimension

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



86, 20.772, 255.772



84, 25.156, 256.975



77, 36.230, 291.661



51, 4.310, 252.772



43, 54.283, 280.504



13, 22.271, 273.683

Inverse Universe

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



81, 32.525, 344.304



79, 39.679, 344.945



97, 34.077, 105.233



50, 6.537, 342.531



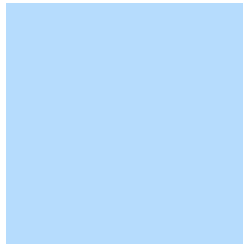
41, 68.756, 358.791



11, 32.246, 353.748

Previews

White Background



This preview shows how the CIELCh color 86, 20.773, 255.775 looks on a white background.

Color Contrast Check

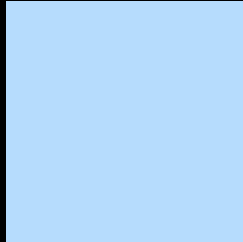
Large Text (above 18pt) WCAG AA × Fail

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 86, 20.773, 255.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

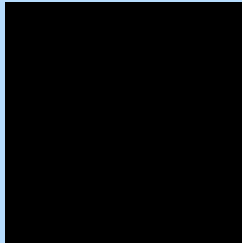
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

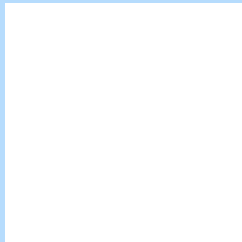
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 20.773, 255.775

Background



This preview shows how black text looks on a background with the CIELCh color 86, 20.773, 255.775.

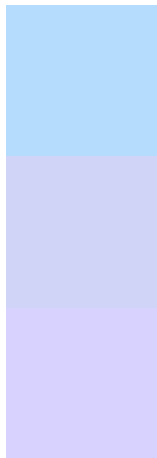


This preview shows how white text looks on a background with the CIELCh color 86, 20.773, 255.775.

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
86, 20.773, 255.775

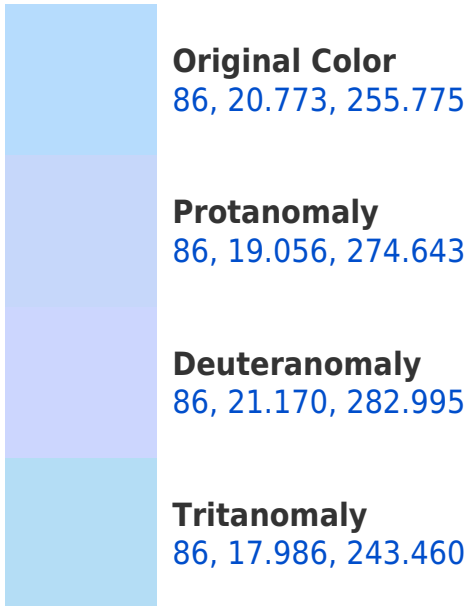
Protanopia
86, 18.424, 286.508

Deuteranopia
86, 23.786, 296.949

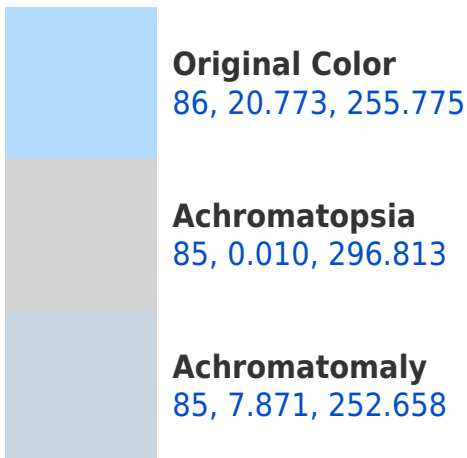


Tritanopia
86, 16.685, 233.295

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 20.773, 255.775 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(182, 220, 253)` looks like.

```
.text, #text, p{  
    color:rgb(182, 220, 253)  
}
```

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(182, 220, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 220, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 20.773, 255.775 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(182, 220, 253) }
```

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

```
.border{ border-color:rgb(182, 220, 253) }
```

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

Here you see how a box with a 4 pixel rgb(182, 220, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 220, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 220, 253);  
box-shadow:4px 4px 4px 4px rgb(182, 220,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 20.773, 255.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 220, 253) }
```

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

```
.background{ background-color: rgb(182,  
220, 253) }
```

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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