

Converting Colors

CIELCh(86, 36.086, 203.031)

Have a look what the booklet for
CIELCh(86, 36.086, 203.031)
contains.

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Color

CIELCh(86, 36.172, 202.999)

Conversions

Conversions Part 1

Format	Color
Hex	6AEAF1
RGB	106, 234, 241
RGB Percent	42%, 92%, 95%
CMY	0.5860, 0.0839, 0.0564
CMYK	0.56, 0.03, 0.00, 0.06
HSL	183°, 82%, 68%
HSV	183°, 56%, 94%
XYZ	51.0219, 67.9871, 93.3462
YIQ	196.5260, -78.5350, -24.9590

Conversions

Conversions Part 2

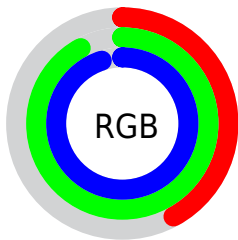
Format	Color
R _Y B	106, 172, 241
Decimal	7006961
CIE Lab	86.00, -33.30, -14.13
CIE LCh	86, 36.172, 202.999
Yxy	67.9871, 0.2403, 0.3202
Android (android.graphics.Color)	4285197041 (0xFF6AEAF1)
YUV	196.5260, 21.9257, -79.3913
Hunter-Lab	82.4543, -33.8411, -9.4040

Details

The CIELCh color **86, 36.172, 202.999** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **63, 56.056, 29.657**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **66, 36.216, 202.832** is the 20% darker color. If you saturate the color by 10%, you get **85, 39.823, 203.204**, and if you desaturate by 10%, it is **87, 31.509, 202.935**.

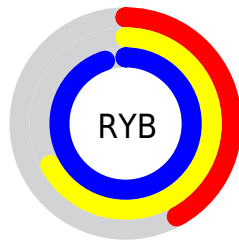
Distribution



Red (42%)

Green (92%)

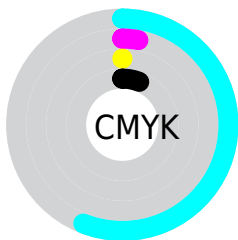
Blue (95%)



Red (42%)

Yellow (67%)

Blue (95%)

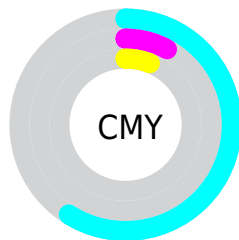


Cyan (56%)

Magenta (3%)

Yellow (0%)

Black (6%)



Cyan (59%)


Magenta (8%)

Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 36.172, 202.999 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, 36.172, 202.999 by changing the saturation by 10% instead.


 86, 36.172,
202.999


 86, 36.172,
202.999


 100, 36.172,
202.999


 76, 36.172,
202.999

 66, 36.172,
202.999

 56, 36.172,
202.999

 46, 36.172,
202.999

 36, 36.172,
202.999

 26, 36.172,
202.999

 16, 36.172,

202.999

■ 6, 36.172, 202.999

■ 0, 36.172, 202.999

■ 86, 36.172,
202.999

■ 86, 36.172,
202.999

■ 85, 39.823,
203.204

■ 87, 31.509,
202.935

■ 84, 42.422,
203.574

■ 89, 25.923,
203.000

■ 84, 43.990,
204.120

■ 90, 19.533,
203.175

■ 83, 44.630,
204.850

■ 92, 12.471,
203.449

■ 83, 44.731,

■ 94, 4.868, 203.857

205.165

■ 96, 3.151, 23.908

■ 97, 4.596, 30.625

■ 97, 4.333, 39.999

■ 97, 4.201, 50.258

Harmonies

Complementary

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



86, 36.172, 202.999



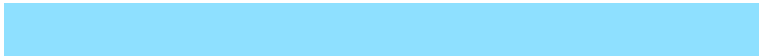
63, 56.056, 29.657

Rectangle

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



86, 36.172, 202.999



86, 36.172, 252.999



86, 36.172, 22.999



86, 36.172, 72.999

Sweetspot

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



86, 36.172, 202.997



97, 13.743, 203.419



85, 79.994, 140.863



51, 9.134, 203.358



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, 36.172, 202.997



89, 41.962, 203.236



67, 43.156, 272.121



49, 4.465, 203.694



65, 36.559, 205.006



19, 16.098, 203.729

Inverse Universe

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



66, 79.045, 328.915



65, 94.704, 329.403



77, 48.149, 73.112



47, 8.310, 326.372



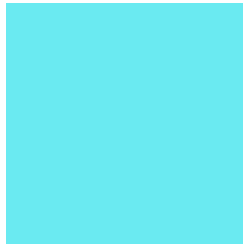
43, 86.703, 330.405



10, 38.064, 330.089

Previews

White Background



This preview shows how the CIE LCh color 86, 36.172, 202.999 looks on a white background.

Color Contrast Check

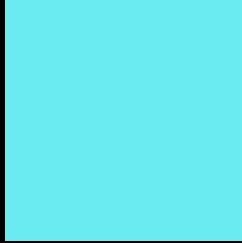
Large Text (above 18pt) WCAG AA × Fail

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, 36.172, 202.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

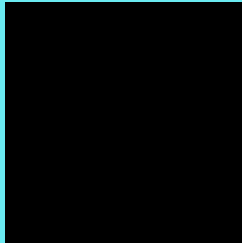
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

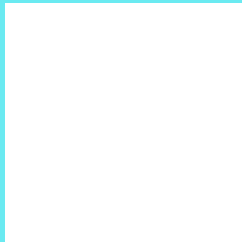
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 36.172, 202.999

Background



This preview shows how black text looks on a background with the CIELCh color 86, 36.172, 202.999.

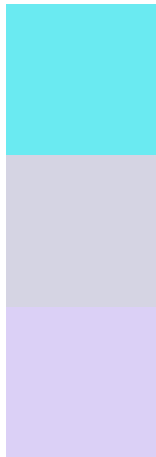


This preview shows how white text looks on a background with the CIELCh color 86, 36.172, 202.999.

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, 36.172, 202.999

Protanopia
85, 7.905, 293.398

Deuteranopia
85, 20.421, 302.386

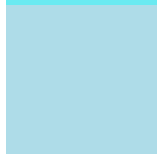


Tritanopia
86, 34.911, 214.113

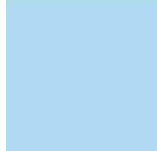
Trichromacy



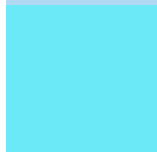
Original Color
86, 36.172, 202.999



Protanomaly
85, 16.271, 221.435



Deuteranomaly
85, 18.662, 248.732

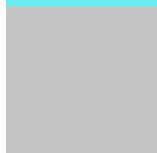


Tritanomaly
86, 35.382, 209.346

Monochromacy



Original Color
86, 36.172, 202.999



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 15.945, 202.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 36.172, 202.999 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(106, 234, 241)` looks like.

```
.text, #text, p{  
    color:rgb(106, 234, 241)  
}
```

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(106, 234, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 234, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 36.172, 202.999 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(106, 234, 241) }
```

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

```
.border{ border-color:rgb(106, 234, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 234, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 234, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 234, 241);  
box-shadow:4px 4px 4px 4px rgb(106, 234,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 36.172, 202.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 234, 241) }
```

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

```
.background{ background-color: rgb(106,  
234, 241) }
```

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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