

Converting Colors

CIELCh(86, 71.988, 142.786)

Have a look what the booklet for
CIELCh(86, 71.988, 142.786)
contains.

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Color

CIELCh(86, 72.052, 142.848)

Conversions

Conversions Part 1

Format	Color
Hex	74F181
RGB	116, 241, 129
RGB Percent	45%, 95%, 51%
CMY	0.5464, 0.0562, 0.4953
CMYK	0.52, 0.00, 0.47, 0.06
HSL	126°, 81%, 70%
HSV	126°, 52%, 94%
XYZ	42.4613, 67.9871, 31.5514
YIQ	190.8570, -38.5480, -61.3320

Conversions

Conversions Part 2

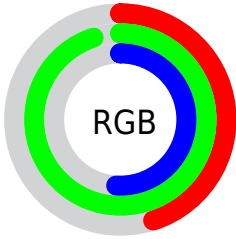
Format	Color
RYB	116, 229, 241
Decimal	7664001
CIELab	86.00, -57.43, 43.51
CIELCh	86, 72.052, 142.848
Yxy	67.9871, 0.2990, 0.4788
Android (android.graphics.Color)	4285854081 (0xFF74F181)
YUV	190.8570, -30.4955, -65.6496
Hunter-Lab	82.4543, -52.3734, 35.0305

Details

The CIELCh color **86, 72.052, 142.848** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **67, 71.494, 330.452**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 46.747, 144.947**, and **66, 72.135, 142.826** is the 20% darker color. If you saturate the color by 10%, you get **85, 84.012, 141.557**, and if you desaturate by 10%, it is **87, 59.014, 144.010**.

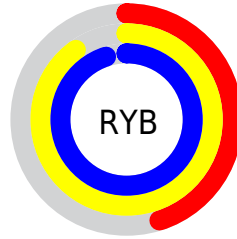
Distribution



Red (45%)

Green (95%)

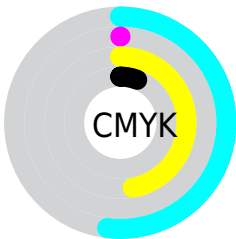
Blue (51%)



Red (45%)

Yellow (90%)

Blue (95%)

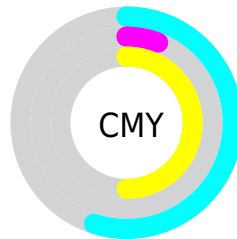


Cyan (52%)

Magenta (0%)

Yellow (47%)

Black (6%)



Cyan (55%)

Magenta (6%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 72.052, 142.848 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, 72.052, 142.848 by changing the saturation by 10% instead.

 86, 72.052,
142.848

 86, 72.052,
142.848

 100, 72.052,
142.848

 76, 72.052,
142.848

 66, 72.052,
142.848

 56, 72.052,
142.848

 46, 72.052,
142.848

 36, 72.052,
142.848

 26, 72.052,
142.848

 16, 72.052,


142.848


 6, 72.052, 142.848


 0, 72.052, 142.848


 86, 72.052,
142.848


 86, 72.052,
142.848


 85, 84.012,
141.557


 87, 59.014,
144.010


 84, 94.479,
140.182


 89, 45.269,
145.029

 84, 103.027,
138.808

 90, 31.140,
145.909

 83, 109.270,
137.563

 92, 16.889,
146.669

 83, 112.523,

 95, 2.718, 147.410

136.787



96, 8.924, 324.717

Harmonies

Complementary

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



86, 72.052, 142.848



67, 71.494, 330.452

Rectangle

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



86, 72.052, 142.848



86, 72.052, 192.848



86, 72.052, 322.848



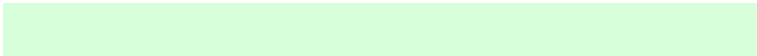
86, 72.052, 12.848

Sweetspot

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



86, 72.053, 142.848



96, 23.762, 146.370



92, 61.905, 109.968



51, 16.054, 146.213



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, 72.053, 142.848



90, 88.066, 141.523



87, 48.388, 163.632



49, 7.998, 146.842



65, 91.453, 136.966



19, 37.630, 139.715

Inverse Universe

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



67, 71.494, 330.452



67, 86.477, 331.021



65, 53.375, 355.979



47, 8.014, 327.930



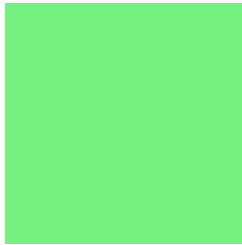
43, 83.208, 332.872



10, 36.738, 332.162

Previews

White Background



This preview shows how the CIELCh color 86, 72.052, 142.848 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, 72.052, 142.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

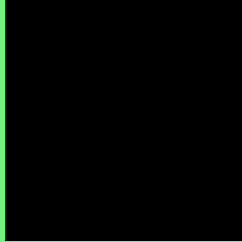
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 72.052, 142.848

Background



This preview shows how black text looks on a background with the CIELCh color 86, 72.052, 142.848.

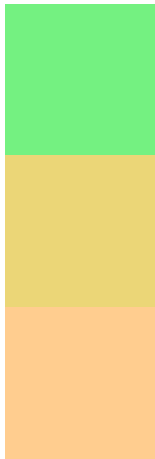


This preview shows how white text looks on a background with the CIELCh color 86, 72.052, 142.848.

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, 72.052, 142.848

Protanopia
86, 49.440, 95.714

Deuteranopia
85, 38.807, 75.153



Tritanopia
86, 26.953, 219.785

Trichromacy



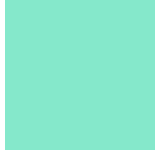
Original Color
86, 72.052, 142.848



Protanomaly
85, 52.850, 119.915



Deuteranomaly
84, 41.537, 114.408

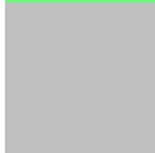


Tritanomaly
86, 36.137, 171.976

Monochromacy



Original Color
86, 72.052, 142.848



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 27.546, 145.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 72.052, 142.848 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(116, 241, 129)` looks like.

```
.text, #text, p{  
    color:rgb(116, 241, 129)  
}
```

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(116, 241, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 241, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 72.052, 142.848 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(116, 241, 129) }
```

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

```
.border{ border-color:rgb(116, 241, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 241, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 241, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 241, 129); box-shadow:4px 4px 4px 4px rgb(116, 241, 129) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 72.052, 142.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 241, 129) }
```

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

```
.background{ background-color: rgb(116,  
241, 129) }
```

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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