

Converting Colors

CIELCh(86, 46.412, 184.921)

Have a look what the booklet for
CIELCh(86, 46.412, 184.921)
contains.

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Color

CIELCh(86, 46.561, 184.587)

Conversions

Conversions Part 1

Format	Color
Hex	45EFDD
RGB	69, 239, 221
RGB Percent	27%, 94%, 87%
CMY	0.7276, 0.0643, 0.1348
CMYK	0.71, 0.00, 0.08, 0.06
HSL	174°, 84%, 60%
HSV	174°, 71%, 94%
XYZ	46.2394, 67.9871, 78.8289
YIQ	186.1180, -95.5420, -41.6380

Conversions

Conversions Part 2

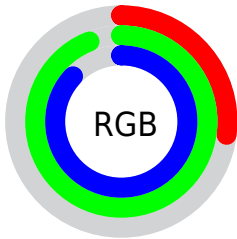
Format	Color
R_{YB}	69, 159, 239
Decimal	4583389
CIE _{Lab}	86.00, -46.41, -3.72
CIE _{LCh}	86, 46.561, 184.587
Yxy	67.9871, 0.2395, 0.3522
Android (android.graphics.Color)	4282773469 (0xFF45EFDD)
YUV	186.1180, 17.1968, -102.7125
Hunter-Lab	82.4543, -44.1943, 1.0349

Details

The CIELCh color **86, 46.561, 184.587** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **55, 70.993, 23.601**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **67, 42.159, 183.850** is the 20% darker color. If you saturate the color by 10%, you get **86, 49.596, 183.531**, and if you desaturate by 10%, it is **87, 42.491, 185.561**.

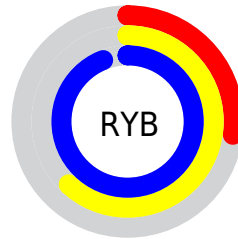
Distribution



Red (27%)

Green (94%)

Blue (87%)



Red (27%)

Yellow (62%)

Blue (94%)

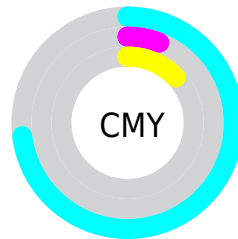


Cyan (71%)

Magenta (0%)

Yellow (8%)

Black (6%)



Cyan (73%)


Magenta (6%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 46.561, 184.587 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, 46.561, 184.587 by changing the saturation by 10% instead.

 86, 46.561,
184.587


 86, 46.561,
184.587


 100, 46.561,
184.587


 76, 46.561,
184.587

 66, 46.561,
184.587

 56, 46.561,
184.587

 46, 46.561,
184.587

 36, 46.561,
184.587


 26, 46.561,
184.587

 16, 46.561,


184.587


 6, 46.561, 184.587


 0, 46.561, 184.587

 86, 46.561,
184.587


 86, 46.561,
184.587


 86, 49.596,
183.531

 87, 42.491,
185.561


 85, 51.642,
182.379

 87, 37.412,
186.475

 85, 52.829,
181.249

 88, 31.407,
187.347

 90, 24.598,
188.189

 91, 17.126,

189.014

 92, 9.133, 189.844

 94, 0.759, 191.367

 96, 5.973, 8.305

 96, 6.350, 356.760

Harmonies

Complementary

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



86, 46.561, 184.587



55, 70.993, 23.601

Rectangle

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



86, 46.561, 184.587



86, 46.561, 234.587



86, 46.561, 4.587



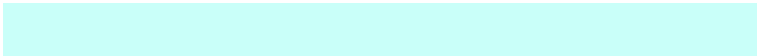
86, 46.561, 54.587

Sweetspot

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



86, 46.561, 184.586



96, 18.157, 188.999



84, 96.087, 136.207



51, 12.199, 188.771



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, 46.561, 184.586



91, 53.224, 183.036



68, 42.110, 257.186



49, 4.795, 189.965



67, 43.318, 181.472



20, 18.600, 183.364

Inverse Universe

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



55, 70.993, 23.601



55, 88.469, 29.685



66, 61.859, 55.714



47, 5.032, 11.369



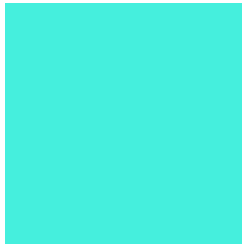
38, 77.168, 35.493



8, 29.323, 19.493

Previews

White Background



This preview shows how the CIE LCh color 86, 46.561, 184.587 looks on a white background.

Color Contrast Check

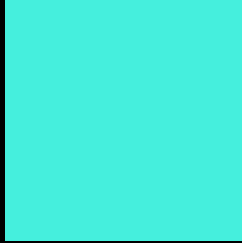
Large Text (above 18pt) WCAG AA × Fail

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, 46.561, 184.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

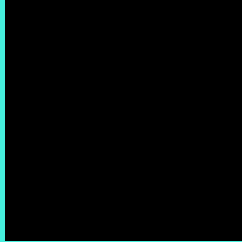
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

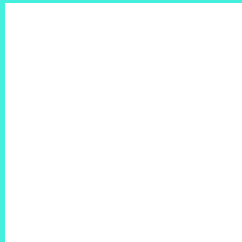
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 46.561, 184.587

Background



This preview shows how black text looks on a background with the CIELCh color 86, 46.561, 184.587.

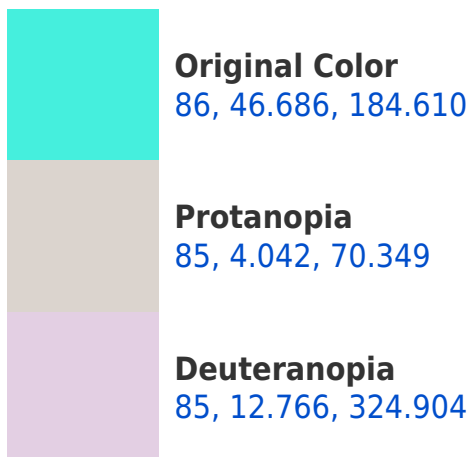


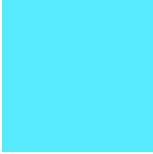
This preview shows how white text looks on a background with the CIELCh color 86, 46.561, 184.587.

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



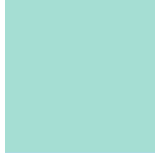


Tritanopia
86, 39.034, 212.051

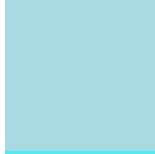
Trichromacy



Original Color
86, 46.686, 184.610



Protanomaly
84, 20.437, 181.450



Deuteranomaly
84, 16.314, 211.519

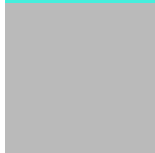


Tritanomaly
86, 40.833, 200.541

Monochromacy



Original Color
86, 46.686, 184.610



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 20.968, 189.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 46.561, 184.587 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(69, 239, 221)` looks like.

```
.text, #text, p{  
    color:rgb(69, 239, 221)  
}
```

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(69, 239, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 239, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 46.561, 184.587 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(69, 239, 221) }
```

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

```
.border{ border-color:rgb(69, 239, 221) }
```

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

Here you see how a box with a 4 pixel rgb(69, 239, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 239, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 239, 221);  
box-shadow:4px 4px 4px 4px rgb(69, 239,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 46.561, 184.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 239, 221) }
```

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

```
.background{ background-color: rgb(69, 239,  
221) }
```

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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