

Converting Colors

CIELCh(86, 36.568, 200.384)

Have a look what the booklet for
CIELCh(86, 36.568, 200.384)
contains.

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Color

CIELCh(86, 36.568, 200.384)

Conversions

Conversions Part 1

Format	Color
Hex	69EAE6
RGB	105, 234, 238
RGB Percent	41%, 92%, 93%
CMY	0.5884, 0.0825, 0.0669
CMYK	0.56, 0.02, 0.00, 0.07
HSL	182°, 80%, 67%
HSV	182°, 56%, 93%
XYZ	50.6531, 67.9871, 91.3038
YIQ	195.8850, -78.1680, -26.1040

Conversions

Conversions Part 2

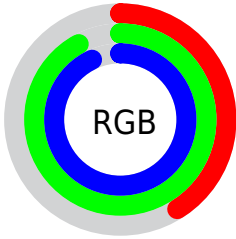
Format	Color
RYB	105, 170, 238
Decimal	6941422
CIELab	86.00, -34.28, -12.74
CIELCh	86, 36.568, 200.384
Yxy	67.9871, 0.2413, 0.3238
Android (android.graphics.Color)	4285131502 (0xFF69EAE)
YUV	195.8850, 20.7627, -79.7061
Hunter-Lab	82.4543, -34.6394, -7.9354

Details

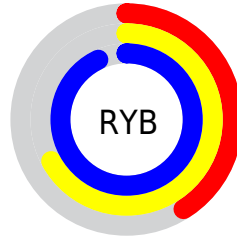
The CIELCh color **86, 36.568, 200.384** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **62, 56.154, 28.282**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.559, 197.719**, and **66, 36.656, 200.052** is the 20% darker color. If you saturate the color by 10%, you get **85, 40.320, 200.387**, and if you desaturate by 10%, it is **87, 31.804, 200.487**.

Distribution



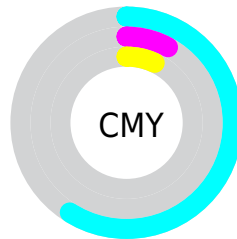
- Red (41%)
- Green (92%)
- Blue (93%)



- Red (41%)
- Yellow (67%)
- Blue (93%)



- Cyan (56%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)





- Cyan (59%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 36.568, 200.384 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, 36.568, 200.384 by changing the saturation by 10% instead.


 86, 36.568,
200.384


 86, 36.568,
200.384


 100, 36.568,
200.384


 76, 36.568,
200.384

 66, 36.568,
200.384

 56, 36.568,
200.384

 46, 36.568,
200.384

 36, 36.568,
200.384

 26, 36.568,
200.384

 16, 36.568,

200.384

■ 6, 36.568, 200.384

■ 0, 36.568, 200.384

■ 86, 36.568,
200.384

■ 86, 36.568,
200.384

■ 85, 40.320,
200.387

■ 87, 31.804,
200.487

■ 85, 43.023,
200.511

■ 88, 26.117,
200.690

■ 84, 44.698,
200.758

■ 90, 19.623,
200.982

■ 84, 45.447,
201.130

■ 91, 12.454,
201.356

■ 84, 45.592,

■ 93, 4.745, 201.853

201.306

■ 95, 3.380, 21.996

■ 96, 5.767, 24.803

■ 96, 5.555, 28.767

■ 96, 5.372, 33.022

Harmonies

Complementary

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



86, 36.568, 200.384



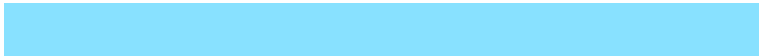
62, 56.154, 28.282

Rectangle

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



86, 36.568, 200.384



86, 36.568, 250.384



86, 36.568, 20.384



86, 36.568, 70.384

Sweetspot

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



86, 36.568, 200.382



97, 14.039, 201.308



85, 80.676, 140.054



51, 9.331, 201.227



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, 36.568, 200.382



91, 42.940, 200.397



68, 40.666, 268.609



49, 4.560, 201.649



66, 37.563, 201.222



20, 16.488, 200.523

Inverse Universe

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



65, 79.219, 328.213



65, 96.102, 328.671



76, 47.022, 69.959



47, 8.435, 325.760



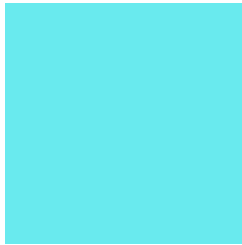
43, 88.197, 329.463



10, 38.628, 329.287

Previews

White Background



This preview shows how the CIE LCh color 86, 36.568, 200.384 looks on a white background.

Color Contrast Check

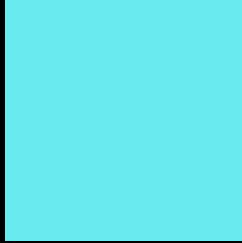
Large Text (above 18pt) WCAG AA × Fail

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, 36.568, 200.384 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, 36.568, 200.384

Background



This preview shows how black text looks on a background with the CIELCh color 86, 36.568, 200.384.



This preview shows how white text looks on a background with the CIELCh color 86, 36.568, 200.384.

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, 34.911, 214.113

Trichromacy



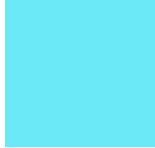
Original Color
86, 36.568, 200.384



Protanomaly
85, 15.993, 217.767



Deuteranomaly
85, 17.945, 246.250

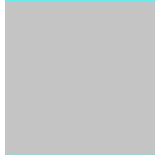


Tritanomaly
86, 35.388, 208.455

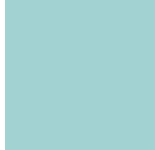
Monochromacy



Original Color
86, 36.568, 200.384



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 15.971, 200.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 36.568, 200.384 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(105, 234, 238)` looks like.

```
.text, #text, p{  
    color:rgb(105, 234, 238)  
}
```

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(105, 234, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 234, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 36.568, 200.384 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(105, 234, 238) }
```

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

```
.border{ border-color:rgb(105, 234, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 234, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 234, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 234, 238);  
box-shadow:4px 4px 4px 4px rgb(105, 234,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 36.568, 200.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 234, 238) }
```

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

```
.background{ background-color: rgb(105,  
234, 238) }
```

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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