

Converting Colors

CIELCh(87, 37.765, 196.977)

Have a look what the booklet for
CIELCh(87, 37.765, 196.977)
contains.

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Color

CIELCh(87, 37.787, 196.984)

Conversions

Conversions Part 1

Format	Color
Hex	68EEEE
RGB	104, 238, 238
RGB Percent	41%, 93%, 93%
CMY	0.5902, 0.0684, 0.0684
CMYK	0.56, 0.00, 0.00, 0.07
HSL	180°, 79%, 67%
HSV	180°, 56%, 93%
XYZ	51.5769, 70.0064, 91.3399
YIQ	197.9340, -79.8640, -28.4080

Conversions

Conversions Part 2

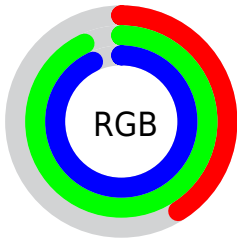
Format	Color
RYB	104, 171, 238
Decimal	6876910
CIELab	87.00, -36.14, -11.04
CIELCh	87, 37.787, 196.984
Yxy	70.0064, 0.2422, 0.3288
Android (android.graphics.Color)	4285066990 (0xFF68EEEE)
YUV	197.9340, 19.7525, -82.3801
Hunter-Lab	83.6698, -36.3889, -6.1563

Details

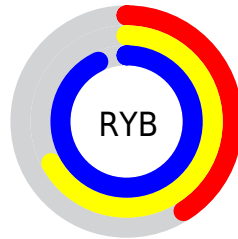
The CIELCh color **87, 37.787, 196.984** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **61, 57.442, 26.583**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.824, 197.702**, and **67, 38.143, 196.442** is the 20% darker color. If you saturate the color by 10%, you get **86, 41.694, 196.741**, and if you desaturate by 10%, it is **88, 32.858, 197.291**.

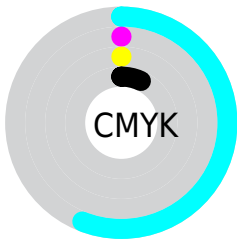
Distribution



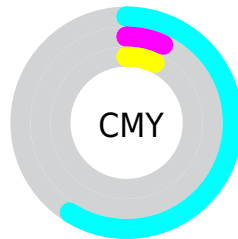
- Red (41%)
- Green (93%)
- Blue (93%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 37.787, 196.984 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 87, 37.787, 196.984 by changing the saturation by 10% instead.

■ 87, 37.787,
196.984

■ 87, 37.787,
196.984

■ 100, 37.787,
196.984

■ 77, 37.787,
196.984

■ 67, 37.787,
196.984

■ 57, 37.787,
196.984

■ 47, 37.787,
196.984

■ 37, 37.787,
196.984

■ 27, 37.787,
196.984

■ 17, 37.787,

196.984

■ 7, 37.787, 196.984

■ 0, 37.787, 196.984

■ 87, 37.787,
196.984

■ 87, 37.787,
196.984

■ 86, 41.694,
196.741

■ 88, 32.858,
197.291

■ 86, 44.547,
196.567

■ 89, 26.989,
197.664

■ 86, 46.376,
196.457

■ 90, 20.297,
198.100

■ 86, 47.286,
196.402

■ 91, 12.915,
198.598

■ 86, 47.497,

■ 93, 4.979, 199.200

196.389

■ 95, 3.378, 19.449

■ 95, 6.255, 19.731

■ 95, 6.255, 19.733

■ 95, 6.255, 19.735

Harmonies

Complementary

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



87, 37.787, 196.984



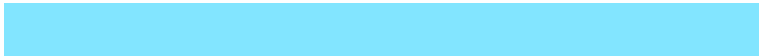
61, 57.442, 26.583

Rectangle

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



87, 37.787, 196.984



87, 37.787, 246.984



87, 37.787, 16.984



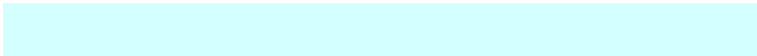
87, 37.787, 66.984

Sweetspot

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



87, 37.787, 196.982



97, 14.478, 198.542



84, 81.543, 139.636



51, 9.623, 198.438



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 37.787, 196.982



92, 44.427, 196.716



68, 39.783, 266.822



49, 4.701, 198.968



68, 39.156, 196.389



21, 17.093, 196.389

Inverse Universe

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



65, 80.845, 327.306



66, 98.057, 327.705



75, 46.885, 68.326



47, 8.608, 324.944



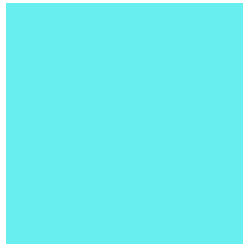
44, 90.296, 328.233



10, 39.418, 328.233

Previews

White Background



This preview shows how the CIE LCh color 87, 37.787, 196.984 looks on a white background.

Color Contrast Check

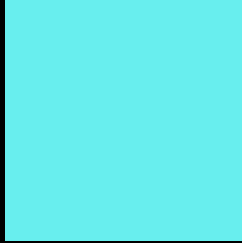
Large Text (above 18pt) WCAG AA × Fail

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 87, 37.787, 196.984 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 87, 37.787, 196.984

Background



This preview shows how black text looks on a background with the CIELCh color 87, 37.787, 196.984.



This preview shows how white text looks on a background with the CIELCh color 87, 37.787, 196.984.

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
87, 35.334, 213.856

Trichromacy



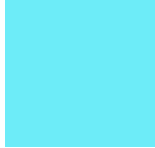
Original Color
87, 37.973, 196.972



Protanomaly
86, 15.610, 210.123



Deuteranomaly
86, 16.511, 238.411

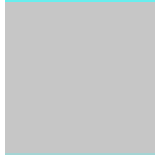


Tritanomaly
87, 35.837, 207.404

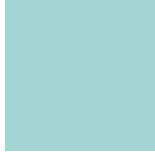
Monochromacy



Original Color
87, 37.973, 196.972



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 16.311, 198.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 37.787, 196.984 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(104, 238, 238)` looks like.

```
.text, #text, p{  
    color:rgb(104, 238, 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(104, 238, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 238, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 37.787, 196.984 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(104, 238, 238) }
```

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

```
.border{ border-color:rgb(104, 238, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 238, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 238, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 238, 238);  
box-shadow:4px 4px 4px 4px rgb(104, 238,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 37.787, 196.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 238, 238) }
```

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

```
.background{ background-color: rgb(104,  
238, 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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