

Converting Colors

CIELCh(88, 37.062, 189.652)

Have a look what the booklet for
CIELCh(88, 37.062, 189.652)
contains.

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Color

CIELCh(88, 37.062, 189.652)

Conversions

Conversions Part 1

Format	Color
Hex	75F0E7
RGB	117, 240, 231
RGB Percent	46%, 94%, 91%
CMY	0.5400, 0.0578, 0.0931
CMYK	0.51, 0.00, 0.04, 0.06
HSL	176°, 81%, 70%
HSV	176°, 51%, 94%
XYZ	53.0753, 72.0653, 86.9105
YIQ	202.1970, -70.4190, -28.8750

Conversions

Conversions Part 2

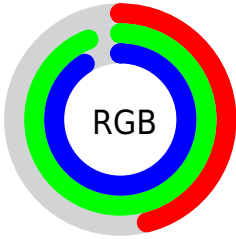
Format	Color
RYB	117, 181, 240
Decimal	7729383
CIELab	88.00, -36.54, -6.21
CIELCh	88, 37.062, 189.652
Yxy	72.0653, 0.2503, 0.3398
Android (android.graphics.Color)	4285919463 (0xFF75F0E7)
YUV	202.1970, 14.1999, -74.7178
Hunter-Lab	84.8913, -36.9587, -1.2764

Details

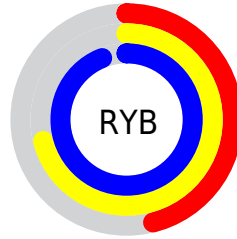
The CIELCh color **88, 37.062, 189.652** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **64, 51.199, 20.160**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.830, 197.886**, and **68, 36.816, 190.431** is the 20% darker color. If you saturate the color by 10%, you get **87, 41.913, 188.905**, and if you desaturate by 10%, it is **89, 31.254, 190.381**.

Distribution



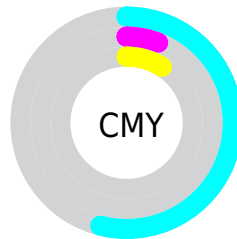
- Red (46%)
- Green (94%)
- Blue (91%)



- Red (46%)
- Yellow (71%)
- Blue (94%)



- Cyan (51%)
- Magenta (0%)
- Yellow (4%)
- Black (6%)





- Cyan (54%)
- Magenta (6%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 37.062, 189.652 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 88, 37.062, 189.652 by changing the saturation by 10% instead.


 88, 37.062,
189.652


 88, 37.062,
189.652


 100, 37.062,
189.652


 78, 37.062,
189.652

 68, 37.062,
189.652

 58, 37.062,
189.652

 48, 37.062,
189.652

 38, 37.062,
189.652

 28, 37.062,
189.652

 18, 37.062,

189.652

■ 8, 37.062, 189.652

■ 0, 37.062, 189.652

■ 88, 37.062,
189.652

■ 88, 37.062,
189.652

■ 87, 41.913,
188.905

■ 89, 31.254,
190.381

■ 87, 45.732,
188.133

■ 90, 24.605,
191.108

■ 86, 48.499,
187.319

■ 91, 17.253,
191.840

■ 86, 50.269,
186.446

■ 93, 9.341, 192.592

■ 86, 51.183,

■ 95, 1.007, 193.866

185.628

96, 5.312, 11.073

96, 5.514, 1.807

96, 5.850, 353.405

96, 6.299, 346.064

Harmonies

Complementary

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



88, 37.062, 189.652



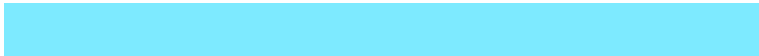
64, 51.199, 20.160

Rectangle

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



88, 37.062, 189.652



88, 37.062, 239.652



88, 37.062, 9.652



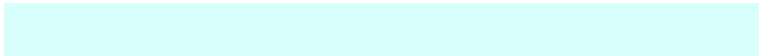
88, 37.062, 59.652

Sweetspot

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



88, 37.062, 189.650



97, 13.029, 192.296



86, 74.306, 138.501



52, 8.842, 192.138



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 37.062, 189.650



92, 43.849, 188.904



74, 33.461, 255.182



49, 4.754, 192.727



67, 41.779, 185.797



20, 18.050, 187.185

Inverse Universe

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



64, 51.199, 20.160



63, 65.025, 22.796



75, 42.354, 60.590



47, 5.007, 14.020



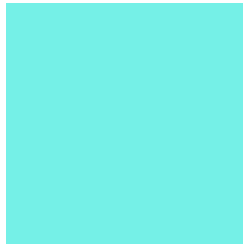
38, 78.651, 37.090



8, 29.466, 20.851

Previews

White Background



This preview shows how the CIELCh color 88, 37.062, 189.652 looks on a white background.

Color Contrast Check

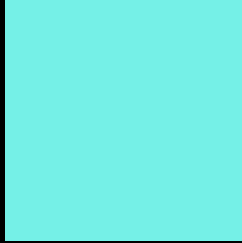
Large Text (above 18pt) WCAG AA × Fail

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 88, 37.062, 189.652 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 88, 37.062, 189.652

Background



This preview shows how black text looks on a background with the CIELCh color 88, 37.062, 189.652.

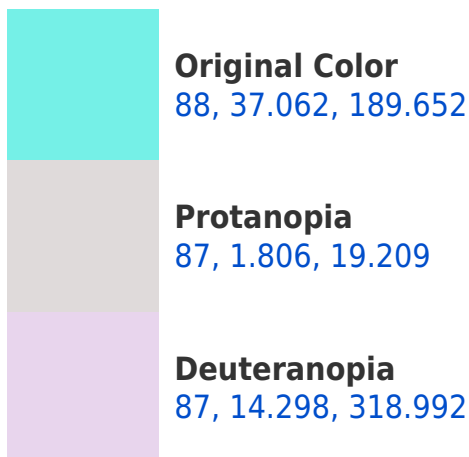


This preview shows how white text looks on a background with the CIELCh color 88, 37.062, 189.652.

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



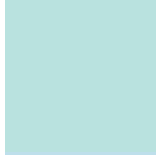


Tritanopia
88, 32.251, 215.646

Trichromacy



Original Color
88, 37.062, 189.652



Protanomaly
87, 14.178, 192.075



Deuteranomaly
87, 12.597, 228.832

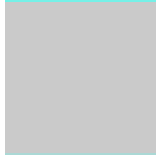


Tritanomaly
88, 33.381, 204.586

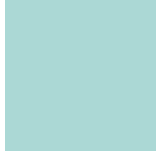
Monochromacy



Original Color
88, 37.062, 189.652



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 15.553, 192.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 37.062, 189.652 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(117, 240, 231)` looks like.

```
.text, #text, p{  
    color:rgb(117, 240, 231)  
}
```

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(117, 240, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 240, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 37.062, 189.652 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(117, 240, 231) }
```

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

```
.border{ border-color:rgb(117, 240, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 240, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 240, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 240, 231);  
box-shadow:4px 4px 4px 4px rgb(117, 240,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 37.062, 189.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 240, 231) }
```

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

```
.background{ background-color: rgb(117,  
240, 231) }
```

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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