

Converting Colors

CIELCh(87, 34.673, 200.667)

Have a look what the booklet for
CIELCh(87, 34.673, 200.667)
contains.

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Color

CIELCh(87, 34.624, 200.697)

Conversions

Conversions Part 1

Format	Color
Hex	75ECF0
RGB	117, 236, 240
RGB Percent	46%, 93%, 94%
CMY	0.5415, 0.0748, 0.0591
CMYK	0.51, 0.02, 0.00, 0.06
HSL	182°, 80%, 70%
HSV	182°, 51%, 94%
XYZ	53.0126, 70.0064, 93.0932
YIQ	200.8750, -72.2080, -23.9840

Conversions

Conversions Part 2

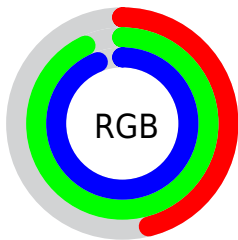
Format	Color
R_{YB}	117, 177, 240
Decimal	7728368
CIE _{Lab}	87.00, -32.39, -12.24
CIE _{LCh}	87, 34.624, 200.697
Yxy	70.0064, 0.2453, 0.3239
Android (android.graphics.Color)	4285918448 (0xFF75ECF0)
YUV	200.8750, 19.2886, -73.5584
Hunter-Lab	83.6698, -33.3260, -7.3987

Details

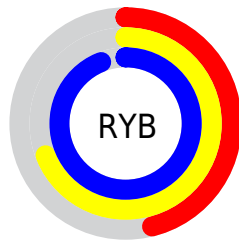
The CIELCh color **87, 34.624, 200.697** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65, 51.083, 27.482**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.830, 197.886**, and **67, 34.650, 200.415** is the 20% darker color. If you saturate the color by 10%, you get **86, 38.865, 200.668**, and if you desaturate by 10%, it is **88, 29.402, 200.830**.

Distribution



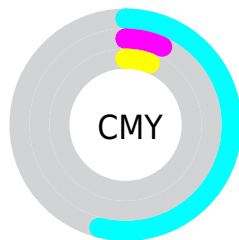
- Red (46%)
- Green (93%)
- Blue (94%)



- Red (46%)
- Yellow (69%)
- Blue (94%)



- Cyan (51%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (54%)
- Magenta (7%)
- Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 34.624, 200.697 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, 34.624, 200.697 by changing the saturation by 10% instead.

 87, 34.624,
200.697

 87, 34.624,
200.697

 100, 34.624,
200.697

 77, 34.624,
200.697

 67, 34.624,
200.697

 57, 34.624,
200.697

 47, 34.624,
200.697

 37, 34.624,
200.697

 27, 34.624,
200.697

 17, 34.624,

200.697

■ 7, 34.624, 200.697

■ 0, 34.624, 200.697

■ 87, 34.624,
200.697

■ 87, 34.624,
200.697

■ 86, 38.865,
200.668

■ 88, 29.402,
200.830

■ 85, 42.060,
200.760

■ 89, 23.302,
201.062

■ 85, 44.202,
200.979

■ 91, 16.451,
201.380

■ 84, 45.354,
201.329

■ 93, 8.985, 201.787

■ 84, 45.729,

■ 95, 1.035, 202.761

201.728

96, 5.153, 23.489

96, 4.916, 28.309

96, 4.718, 33.575

97, 4.563, 39.248

Harmonies

Complementary

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



87, 34.624, 200.697



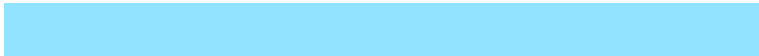
65, 51.083, 27.482

Rectangle

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



87, 34.624, 200.697



87, 34.624, 250.697



87, 34.624, 20.697



87, 34.624, 70.697

Sweetspot

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



87, 34.624, 200.695



97, 12.433, 201.621



86, 75.258, 140.586



51, 8.428, 201.535



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, 34.624, 200.695



91, 41.060, 200.671



70, 37.664, 267.215



49, 4.549, 201.874



66, 37.444, 201.634



20, 16.443, 200.874

Inverse Universe

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



67, 73.978, 328.079



67, 90.743, 328.558



78, 43.048, 70.582



47, 8.421, 325.827



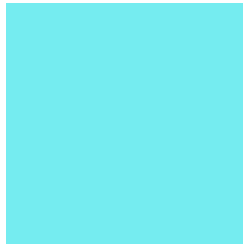
43, 88.029, 329.566



10, 38.564, 329.375

Previews

White Background



This preview shows how the CIE LCh color 87, 34.624, 200.697 looks on a white background.

Color Contrast Check

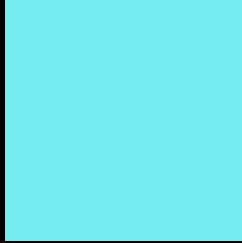
Large Text (above 18pt) WCAG AA × Fail

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, 34.624, 200.697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

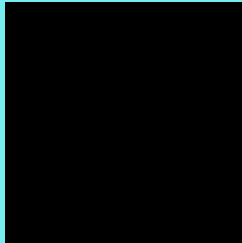
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 34.624, 200.697

Background



This preview shows how black text looks on a background with the CIELCh color 87, 34.624, 200.697.

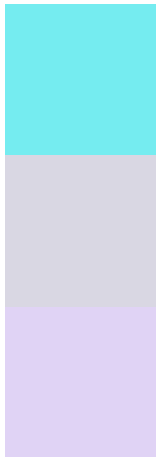


This preview shows how white text looks on a background with the CIELCh color 87, 34.624, 200.697.

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
87, 34.624, 200.697

Protanopia
86, 6.348, 297.095

Deuteranopia
87, 18.471, 305.599

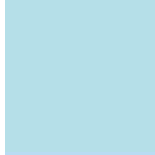


Tritanopia
87, 33.236, 215.058

Trichromacy



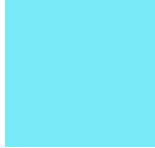
Original Color
87, 34.624, 200.697



Protanomaly
86, 14.675, 217.400



Deuteranomaly
86, 16.380, 246.592

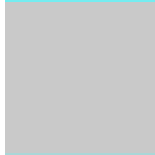


Tritanomaly
87, 33.474, 209.208

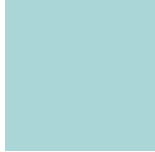
Monochromacy



Original Color
87, 34.624, 200.697



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 14.989, 200.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 34.624, 200.697 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, 236, 240)` looks like.

```
.text, #text, p{  
    color:rgb(117, 236, 240)  
}
```

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, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 236, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 34.624, 200.697 is called "border". The border property can be set on classes, ids or directly on the HTML element.

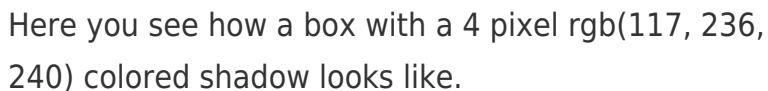
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 236, 240) }
```

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

```
.border{ border-color:rgb(117, 236, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 236, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 236, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 236, 240); box-shadow:4px 4px 4px 4px rgb(117, 236, 240) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 34.624, 200.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 236, 240) }
```

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

```
.background{ background-color: rgb(117,  
236, 240) }
```

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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