

Converting Colors

CIELCh(87, 24.213, 204.102)

Have a look what the booklet for
CIELCh(87, 24.213, 204.102)
contains.

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Color

CIElCh(87, 24.213, 204.102)

Conversions

Conversions Part 1

Format	Color
Hex	9BE7EC
RGB	155, 231, 236
RGB Percent	61%, 91%, 93%
CMY	0.3931, 0.0950, 0.0754
CMYK	0.34, 0.02, 0.00, 0.08
HSL	184°, 68%, 77%
HSV	184°, 34%, 92%
XYZ	57.0879, 70.0064, 89.6793
YIQ	208.8460, -46.9010, -14.5570

Conversions

Conversions Part 2

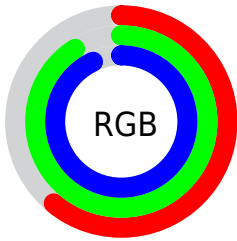
Format	Color
RYB	155, 194, 236
Decimal	10217452
CIELab	87.00, -22.10, -9.89
CIELCh	87, 24.213, 204.102
Yxy	70.0064, 0.2634, 0.3229
Android (android.graphics.Color)	4288407532 (0xFF9BE7EC)
YUV	208.8460, 13.3869, -47.2229
Hunter-Lab	83.6698, -24.6317, -4.9796

Details

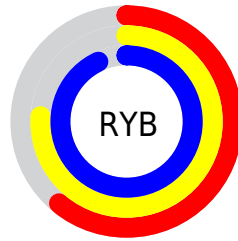
The CIELCh color **87, 24.213, 204.102** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **73, 31.038, 27.084**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.367, 198.548**, and **67, 24.049, 204.166** is the 20% darker color. If you saturate the color by 10%, you get **86, 29.805, 204.076**, and if you desaturate by 10%, it is **89, 17.860, 204.239**.

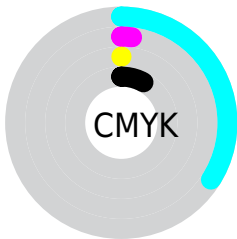
Distribution



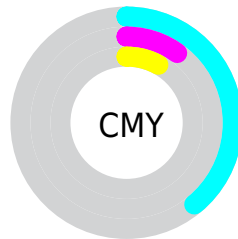
- Red (61%)
- Green (91%)
- Blue (93%)



- Red (61%)
- Yellow (76%)
- Blue (93%)



- Cyan (34%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)





- Cyan (39%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 24.213, 204.102 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, 24.213, 204.102 by changing the saturation by 10% instead.


 87, 24.213,
204.102


 87, 24.213,
204.102


 100, 24.213,
204.102


 77, 24.213,
204.102

 67, 24.213,
204.102

 57, 24.213,
204.102


 47, 24.213,
204.102


 37, 24.213,
204.102


 27, 24.213,
204.102


 17, 24.213,


204.102

 7, 24.213, 204.102


 0, 24.213, 204.102


 87, 24.213,
204.102


 87, 24.213,
204.102

 86, 29.805,
204.076


 89, 17.860,
204.239

 84, 34.516,
204.189

 90, 10.876,
204.485

 83, 38.253,
204.460

 92, 3.387, 204.912

 82, 40.963,
204.910

 95, 4.488, 24.943

 82, 42.655,

 95, 6.202, 30.506

205.559

96, 5.881, 38.540

81, 43.412,
206.421

96, 5.689, 47.299

81, 43.554,
206.981

96, 5.638, 56.432

97, 5.731, 65.487

Harmonies

Complementary

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



87, 24.213, 204.102



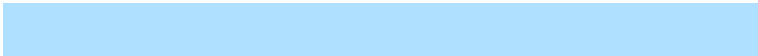
73, 31.038, 27.084

Rectangle

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



87, 24.213, 204.102



87, 24.213, 254.102



87, 24.213, 24.102



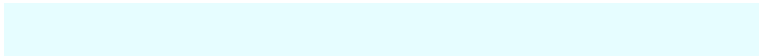
87, 24.213, 74.102

Sweetspot

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



87, 24.213, 204.099



98, 8.173, 204.629



87, 49.662, 143.259



52, 5.555, 204.579



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, 24.213, 204.099



92, 29.837, 204.069



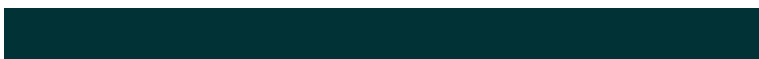
76, 26.111, 266.375



48, 4.346, 204.651



63, 35.779, 206.789



18, 15.479, 205.150

Inverse Universe

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



74, 49.241, 328.088



76, 62.165, 328.463



82, 27.923, 76.140



46, 8.109, 326.655



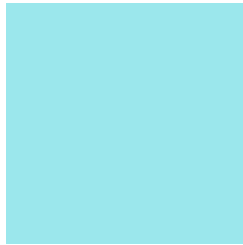
42, 85.148, 330.845



9, 36.721, 330.441

Previews

White Background



This preview shows how the CIE LCh color 87, 24.213, 204.102 looks on a white background.

Color Contrast Check

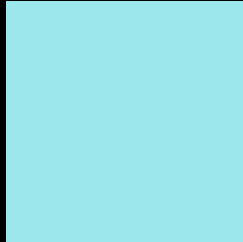
Large Text (above 18pt) WCAG AA × Fail

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, 24.213, 204.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

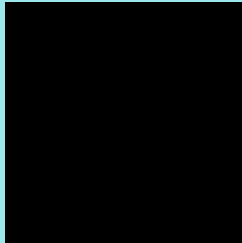
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 24.213, 204.102

Background



This preview shows how black text looks on a background with the CIELCh color 87, 24.213, 204.102.




This preview shows how white text looks on a background with the CIELCh color 87, 24.213, 204.102.

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



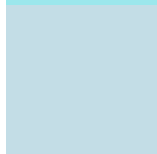


Tritanopia
87, 23.705, 221.696

Trichromacy



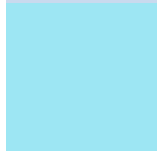
Original Color
87, 24.213, 204.102



Protanomaly
87, 9.960, 227.274



Deuteranomaly
86, 11.833, 261.902

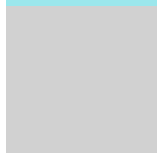


Tritanomaly
87, 23.663, 214.833

Monochromacy



Original Color
87, 24.213, 204.102



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 9.751, 205.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 24.213, 204.102 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(155, 231, 236)` looks like.

```
.text, #text, p{  
    color:rgb(155, 231, 236)  
}
```

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(155, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 231, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 24.213, 204.102 is called "border". The border property can be set on classes, ids or directly on the HTML element.

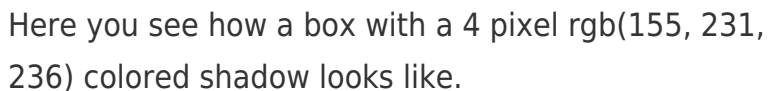
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 231, 236) }
```

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

```
.border{ border-color:rgb(155, 231, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(155, 231,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 24.213, 204.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 231, 236) }
```

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

```
.background{ background-color: rgb(155,  
231, 236) }
```

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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