

Converting Colors

CIELCh(84, 24.745, 206.552)

Have a look what the booklet for
CIELCh(84, 24.745, 206.552)
contains.

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Color

CIELCh(84, 24.768, 206.432)

Conversions

Conversions Part 1

Format	Color
Hex	90DEE5
RGB	144, 222, 229
RGB Percent	56%, 87%, 90%
CMY	0.4339, 0.1280, 0.1006
CMYK	0.37, 0.03, 0.00, 0.10
HSL	185°, 62%, 73%
HSV	185°, 37%, 90%
XYZ	51.9683, 64.0658, 84.0126
YIQ	199.4760, -48.7350, -14.3590

Conversions

Conversions Part 2

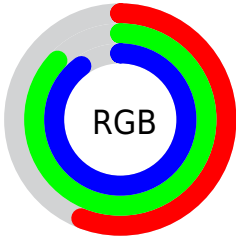
Format	Color
RYB	144, 185, 229
Decimal	9494245
CIELab	84.00, -22.18, -11.03
CIELCh	84, 24.768, 206.432
Yxy	64.0658, 0.2598, 0.3203
Android (android.graphics.Color)	4287684325 (0xFF90DEE5)
YUV	199.4760, 14.5553, -48.6525
Hunter-Lab	80.0411, -24.1772, -6.2031

Details

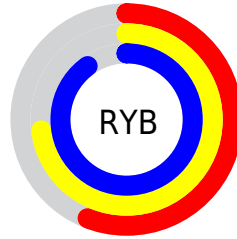
The CIELCh color $84, 24.768, 206.432$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $70, 32.520, 28.995$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 17.795, 198.327$, and $64, 24.919, 206.504$ is the 20% darker color. If you saturate the color by 10%, you get $82, 29.919, 206.584$, and if you desaturate by 10%, it is $86, 18.855, 206.419$.

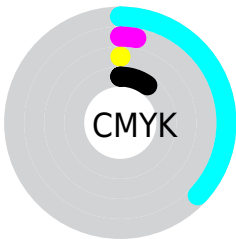
Distribution



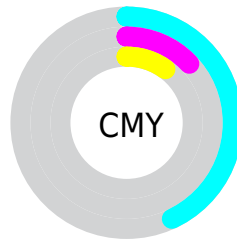
- Red (56%)
- Green (87%)
- Blue (90%)



- Red (56%)
- Yellow (73%)
- Blue (90%)



- Cyan (37%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (43%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 24.768, 206.432 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 84, 24.768, 206.432 by changing the saturation by 10% instead.


 84, 24.768,
206.432

 84, 24.768,
206.432


 100, 24.768,
206.432


 74, 24.768,
206.432

 64, 24.768,
206.432

 54, 24.768,
206.432

 44, 24.768,
206.432

 34, 24.768,
206.432

 24, 24.768,
206.432

 14, 24.768,

206.432

■ 4, 24.768, 206.432

■ 0, 24.768, 206.432

■ 84, 24.768,
206.432

■ 84, 24.768,
206.432

■ 82, 29.919,
206.584

■ 86, 18.855,
206.419

■ 81, 34.197,
206.910

■ 88, 12.304,
206.533

■ 80, 37.519,
207.437

■ 90, 5.238, 206.791

■ 79, 39.848,
208.196

■ 92, 2.229, 26.659

■ 94, 8.518, 28.345

■ 78, 41.205,

209.217

94, 8.049, 35.812

77, 41.704,
210.515

95, 7.734, 44.037

77, 41.771,
210.926

95, 7.591, 52.755

96, 7.630, 61.583

Harmonies

Complementary

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



84, 24.768, 206.432



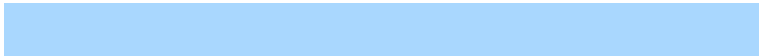
70, 32.520, 28.995

Rectangle

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



84, 24.768, 206.432



84, 24.768, 256.432



84, 24.768, 26.432



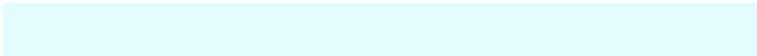
84, 24.768, 76.432

Sweetspot

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



84, 24.768, 206.429



97, 8.798, 206.663



84, 51.705, 143.460



52, 5.889, 206.629



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 24.768, 206.429



91, 30.941, 206.524



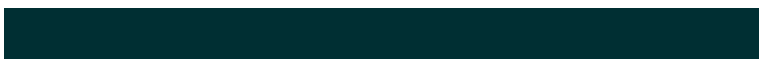
73, 28.086, 268.609



47, 4.189, 206.709



61, 34.672, 210.665



17, 14.732, 208.251

Inverse Universe

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



71, 51.107, 328.876



74, 65.490, 329.281



80, 29.892, 77.388



45, 7.851, 327.261



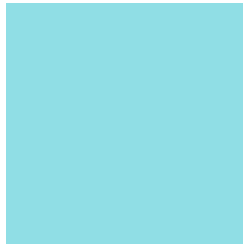
42, 82.910, 331.797



8, 35.139, 331.205

Previews

White Background



This preview shows how the CIELCh color 84, 24.768, 206.432 looks on a white background.

Color Contrast Check

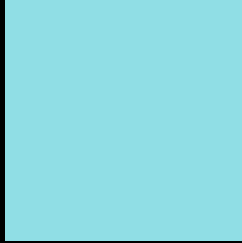
Large Text (above 18pt) WCAG AA × Fail

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 84, 24.768, 206.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

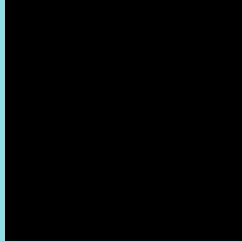
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 24.768, 206.432

Background



This preview shows how black text looks on a background with the CIELCh color 84, 24.768, 206.432.



This preview shows how white text looks on a background with the CIELCh color 84, 24.768, 206.432.

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



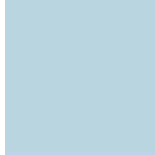


Tritanopia
84, 24.470, 221.011

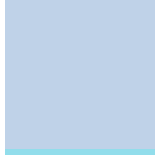
Trichromacy



Original Color
84, 24.768, 206.432



Protanomaly
84, 10.812, 228.191



Deuteranomaly
83, 13.119, 261.833

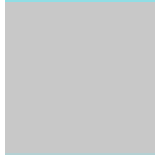


Tritanomaly
84, 24.289, 215.774

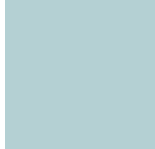
Monochromacy



Original Color
84, 24.768, 206.432



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 9.850, 208.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 24.768, 206.432 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(144, 222, 229)` looks like.

```
.text, #text, p{  
    color:rgb(144, 222, 229)  
}
```

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(144, 222, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 222, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 24.768, 206.432 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(144, 222, 229) }
```

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

```
.border{ border-color:rgb(144, 222, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 222, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 222, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 222, 229);  
box-shadow:4px 4px 4px 4px rgb(144, 222,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 24.768, 206.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 222, 229) }
```

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

```
.background{ background-color: rgb(144,  
222, 229) }
```

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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