

Converting Colors

CIELCh(84, 23.756, 231.382)

Have a look what the booklet for
CIELCh(84, 23.756, 231.382)
contains.

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Color

CIELCh(84, 23.858, 232.062)

Conversions

Conversions Part 1

Format	Color
Hex	99DBF4
RGB	153, 219, 244
RGB Percent	60%, 86%, 96%
CMY	0.3994, 0.1406, 0.0426
CMYK	0.37, 0.10, 0.00, 0.04
HSL	196°, 81%, 78%
HSV	196°, 37%, 96%
XYZ	54.8852, 64.0658, 95.1784
YIQ	202.1160, -47.3610, -6.2170

Conversions

Conversions Part 2

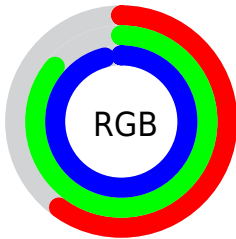
Format	Color
R _Y B	153, 191, 244
Decimal	10083316
CIE Lab	84.00, -14.67, -18.82
CIE LCh	84, 23.858, 232.062
Yxy	64.0658, 0.2563, 0.2992
Android (android.graphics.Color)	4288273396 (0xFF99DBF4)
YUV	202.1160, 20.6488, -43.0747
Hunter-Lab	80.0411, -17.6722, -14.4741

Details

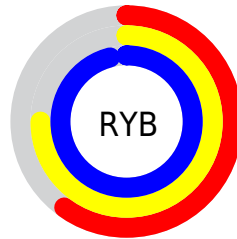
The CIELCh color `84, 23.858, 232.062` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `78, 30.514, 46.815`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `97, 14.999, 198.507`, and `64, 23.808, 232.514` is the 20% darker color. If you saturate the color by 10%, you get `81, 29.078, 233.757`, and if you desaturate by 10%, it is `87, 18.056, 230.741`.

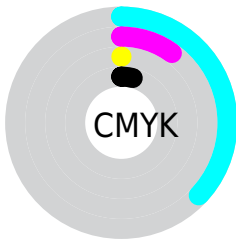
Distribution



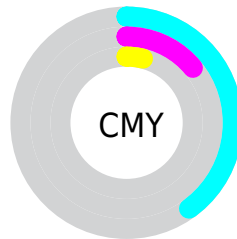
- Red (60%)
- Green (86%)
- Blue (96%)



- Red (60%)
- Yellow (75%)
- Blue (96%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)



- Cyan (40%)
- Magenta (14%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 23.858, 232.062 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, 23.858, 232.062 by changing the saturation by 10% instead.

■ 84, 23.858,
232.062

■ 84, 23.858,
232.062

■ 100, 23.858,
232.062

■ 74, 23.858,
232.062

■ 64, 23.858,
232.062

■ 54, 23.858,
232.062

■ 44, 23.858,
232.062

■ 34, 23.858,
232.062

■ 24, 23.858,
232.062

■ 14, 23.858,

232.062

■ 4, 23.858, 232.062

■ 0, 23.858, 232.062

■ 84, 23.858,
232.062

■ 84, 23.858,
232.062

■ 81, 29.078,
233.757

■ 87, 18.056,
230.741

■ 78, 33.641,
235.923

■ 90, 11.763,
229.731

■ 76, 37.500,
238.651

■ 94, 5.072, 229.008

■ 73, 40.665,
242.031

■ 97, 1.934, 47.973

■ 99, 4.394, 99.063

■ 71, 43.226,

246.116

100, 5.491,
109.753

69, 45.370,
250.869

68, 45.951,
252.199

Harmonies

Complementary

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



84, 23.858, 232.062



78, 30.514, 46.815

Rectangle

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



84, 23.858, 232.062



84, 23.858, 282.062



84, 23.858, 52.062



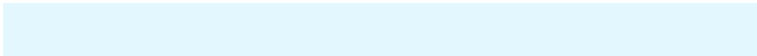
84, 23.858, 102.062

Sweetspot

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



84, 23.857, 232.059



96, 7.880, 229.241



89, 47.295, 149.813



51, 5.278, 229.338



0, 0.000, 0.000



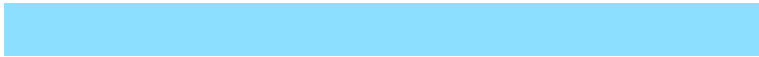
53, 0.007, 296.813

Same Dimension

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



84, 23.857, 232.059



85, 28.938, 233.353



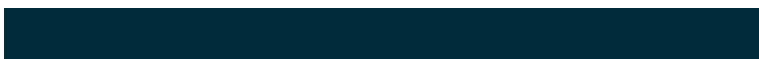
72, 38.266, 284.129



49, 3.953, 229.138



53, 37.247, 251.284



16, 15.866, 243.851

Inverse Universe

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



74, 47.422, 335.983



73, 58.741, 336.638



89, 36.938, 93.763



48, 7.228, 333.889



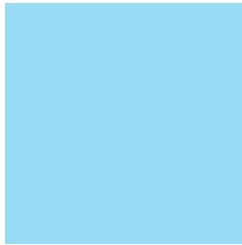
42, 74.076, 343.072



10, 33.773, 340.597

Previews

White Background



This preview shows how the CIELCh color 84, 23.858, 232.062 looks on a white background.

Color Contrast Check

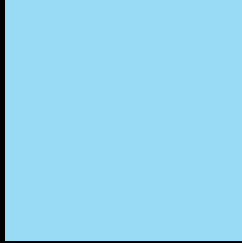
Large Text (above 18pt) WCAG AA × Fail

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, 23.858, 232.062 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, 23.858, 232.062

Background



This preview shows how black text looks on a background with the CIELCh color 84, 23.858, 232.062.

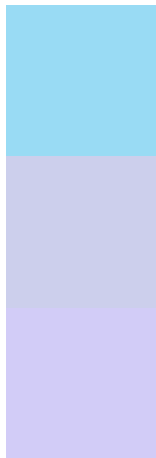


This preview shows how white text looks on a background with the CIELCh color 84, 23.858, 232.062.

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

84, 23.858, 232.062

Protanopia

84, 15.331, 287.668

Deuteranopia

84, 22.863, 297.146



Tritanopia
84, 23.004, 222.670

Trichromacy



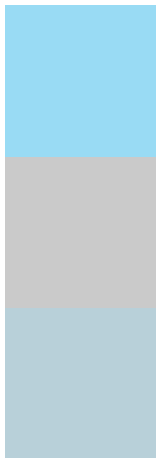
Original Color
84, 23.858, 232.062

Protanomaly
84, 16.706, 261.745

Deuteranomaly
84, 19.997, 271.697

Tritanomaly
84, 23.323, 225.232

Monochromacy



Original Color
84, 23.858, 232.062

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 9.467, 229.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 23.858, 232.062 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(153, 219, 244)` looks like.

```
.text, #text, p{  
    color:rgb(153, 219, 244)  
}
```

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(153, 219, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 219, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 23.858, 232.062 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(153, 219, 244) }
```

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

```
.border{ border-color:rgb(153, 219, 244) }
```

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

Here you see how a box with a 4 pixel rgb(153, 219, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 219, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 219, 244);  
box-shadow:4px 4px 4px 4px rgb(153, 219,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 23.858, 232.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 219, 244) }
```

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

```
.background{ background-color: rgb(153,  
219, 244) }
```

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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