

Converting Colors

CIELCh(73, 23.806, 236.456)

Have a look what the booklet for
CIELCh(73, 23.806, 236.456)
contains.

CIELCh(73, 23.874, 236.424)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(73, 23.874, 236.424)

Conversions

Conversions Part 1

Format	Color
Hex	7DBCD7
RGB	125, 188, 215
RGB Percent	49%, 74%, 84%
CMY	0.5103, 0.2632, 0.1574
CMYK	0.42, 0.13, 0.00, 0.16
HSL	198°, 53%, 67%
HSV	198°, 42%, 84%
XYZ	38.6458, 45.1644, 70.8857
YIQ	172.2410, -46.2150, -4.9590

Conversions

Conversions Part 2

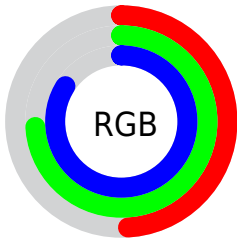
Format	Color
RYB	125, 162, 215
Decimal	8240343
CIELab	73.00, -13.20, -19.89
CIElCh	73, 23.874, 236.424
Yxy	45.1644, 0.2498, 0.2920
Android (android.graphics.Color)	4286430423 (0xFF7DBCD7)
YUV	172.2410, 21.0802, -41.4304
Hunter-Lab	67.2044, -14.9617, -15.4946

Details

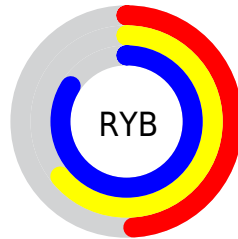
The CIELCh color **73, 23.874, 236.424** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **68, 31.171, 49.288**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 20.740, 214.229**, and **53, 23.745, 235.791** is the 20% darker color. If you saturate the color by 10%, you get **70, 28.447, 238.477**, and if you desaturate by 10%, it is **76, 18.790, 234.797**.

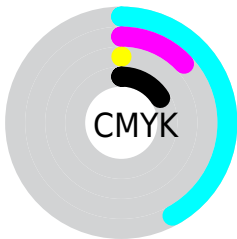
Distribution



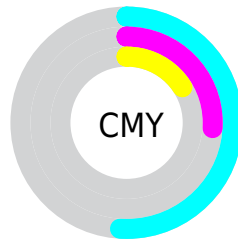
- Red (49%)
- Green (74%)
- Blue (84%)



- Red (49%)
- Yellow (64%)
- Blue (84%)



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)





- Cyan (51%)
- Magenta (26%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 23.874, 236.424 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 73, 23.874, 236.424 by changing the saturation by 10% instead.


 73, 23.874,
236.424


 73, 23.874,
236.424


 100, 23.874,
236.424


 63, 23.874,
236.424


 93, 23.874,
236.424

 53, 23.874,
236.424

 43, 23.874,
236.424

 33, 23.874,
236.424

 23, 23.874,
236.424

 13, 23.874,
236.424

 3, 23.874, 236.424

0, 23.874, 236.424

73, 23.874,
236.424

73, 23.874,
236.424

70, 28.447,
238.477

76, 18.790,
234.797

68, 32.460,
241.052

79, 13.266,
233.523

65, 35.901,
244.238

82, 7.377, 232.544

63, 38.814,
248.101

85, 1.195, 232.124

61, 41.320,
252.647

89, 5.213, 50.952

59, 43.235,
256.665

92, 11.793, 50.520

94, 12.398, 68.150

■ 95, 13.825, 84.476

■ 97, 16.134, 96.857

Harmonies

Complementary

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



73, 23.874, 236.424



68, 31.171, 49.288

Rectangle

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



73, 23.874, 236.424



73, 23.874, 286.424



73, 23.874, 56.424



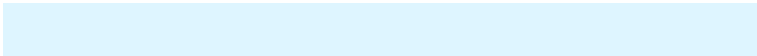
73, 23.874, 106.424

Sweetspot

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



73, 23.873, 236.422



95, 9.248, 232.651



79, 47.125, 149.937



50, 6.438, 232.852



0, 0.000, 0.000



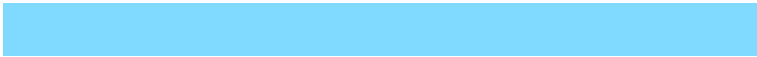
53, 0.007, 296.813

Same Dimension

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



73, 23.873, 236.422



83, 31.681, 238.161



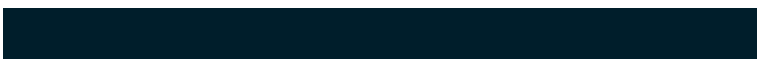
61, 39.851, 286.019



43, 3.533, 232.349



47, 36.173, 255.788



10, 13.203, 244.963

Inverse Universe

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



64, 47.028, 337.452



71, 63.582, 338.237



79, 37.970, 94.342



42, 6.360, 334.894



38, 68.454, 344.755



6, 26.466, 341.091

Previews

White Background



This preview shows how the CIELCh color 73, 23.874, 236.424 looks on a white background.

Color Contrast Check

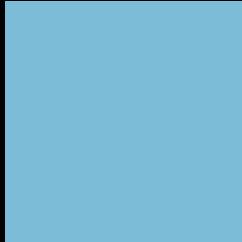
Large Text (above 18pt) WCAG AA × Fail

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 73, 23.874, 236.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

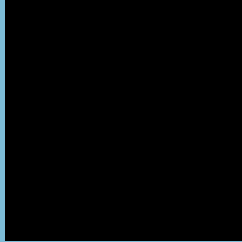
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 23.874, 236.424

Background



This preview shows how black text looks on a background with the CIELCh color 73, 23.874, 236.424.



This preview shows how white text looks on a background with the CIELCh color 73, 23.874, 236.424.

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

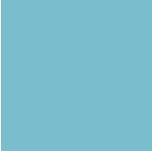
73, 23.874, 236.424

Protanopia

73, 16.880, 287.104

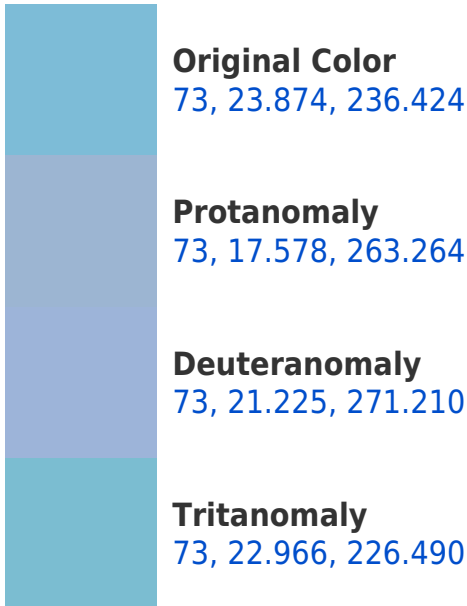
Deuteranopia

73, 23.405, 293.226

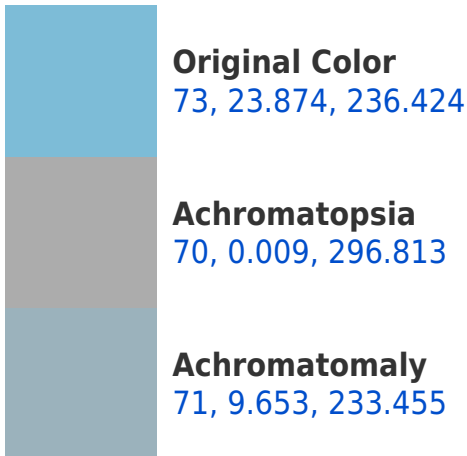


Tritanopia
73, 22.708, 219.100

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 23.874, 236.424 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(125, 188, 215)` looks like.

```
.text, #text, p{  
    color:rgb(125, 188, 215)  
}
```

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(125, 188, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 188, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 23.874, 236.424 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(125, 188, 215) }
```

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

```
.border{ border-color:rgb(125, 188, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 188, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 188, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 188, 215); box-shadow:4px 4px 4px 4px rgb(125, 188, 215) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 23.874, 236.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 188, 215) }
```

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

```
.background{ background-color: rgb(125,  
188, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor