

Converting Colors

CIELCh(75, 23.271, 268.751)

Have a look what the booklet for
CIELCh(75, 23.271, 268.751)
contains.

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Color

CIELCh(75, 23.195, 268.417)

Conversions

Conversions Part 1

Format	Color
Hex	9EBBE3
RGB	158, 187, 227
RGB Percent	62%, 73%, 89%
CMY	0.3809, 0.2672, 0.1103
CMYK	0.30, 0.18, 0.00, 0.11
HSL	215°, 55%, 75%
HSV	215°, 30%, 89%
XYZ	45.6624, 48.2781, 79.4852
YIQ	182.8890, -30.1240, 6.2920

Conversions

Conversions Part 2

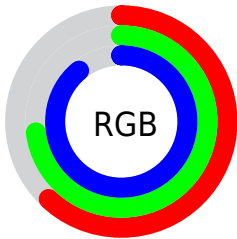
Format	Color
R _Y B	158, 178, 227
Decimal	10402787
CIE Lab	75.00, -0.64, -23.19
CIE LCh	75, 23.195, 268.417
Yxy	48.2781, 0.2633, 0.2784
Android (android.graphics.Color)	4288592867 (0xFF9EBBE3)
YUV	182.8890, 21.7467, -21.8277
Hunter-Lab	69.4824, -4.2879, -19.1877

Details

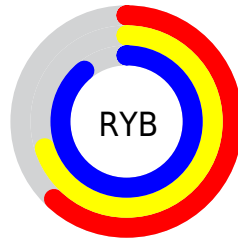
The CIELCh color `75, 23.195, 268.417` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `81, 24.240, 79.531`, and the grayscale version is `74, 0.009, 296.813`.

A 20% lighter version of the original color is `94, 11.359, 231.982`, and `55, 23.373, 268.923` is the 20% darker color. If you saturate the color by 10%, you get `70, 30.848, 270.620`, and if you desaturate by 10%, it is `80, 15.550, 266.547`.

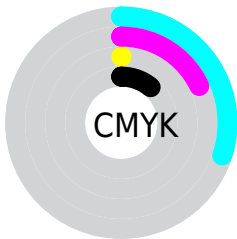
Distribution



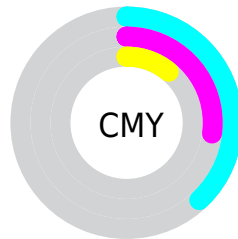
- Red (62%)
- Green (73%)
- Blue (89%)



- Red (62%)
- Yellow (70%)
- Blue (89%)



- Cyan (30%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)





- Cyan (38%)
- Magenta (27%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 23.195, 268.417 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 75, 23.195, 268.417 by changing the saturation by 10% instead.


 75, 23.195,
268.417


 75, 23.195,
268.417


 100, 23.195,
268.417


 65, 23.195,
268.417


 95, 23.195,
268.417

 55, 23.195,
268.417

 45, 23.195,
268.417

 35, 23.195,
268.417

 25, 23.195,
268.417

 15, 23.195,
268.417

 5, 23.195, 268.417

0, 23.195, 268.417

75, 23.195,
268.417

75, 23.195,
268.417

70, 30.848,
270.620

80, 15.550,
266.547

65, 38.519,
273.213

85, 7.922, 264.975

61, 46.232,
276.231

90, 0.321, 264.618

95, 7.237, 82.361

56, 54.036,
279.682

99, 13.079,
105.387

52, 61.996,
283.519

99, 14.237,
109.102

48, 70.165,
287.611

■ 44, 78.192,
291.510

Harmonies

Complementary

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



75, 23.195, 268.417



81, 24.240, 79.531

Rectangle

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



75, 23.195, 268.417



75, 23.195, 318.417



75, 23.195, 88.417



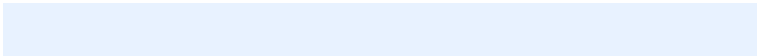
75, 23.195, 138.417

Sweetspot

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



75, 23.194, 268.415



95, 7.527, 264.785



85, 28.875, 164.460



50, 5.231, 264.991



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 23.194, 268.415



80, 30.203, 269.654



68, 38.157, 296.125



44, 4.281, 264.837



34, 63.520, 290.785



7, 21.503, 281.564

Inverse Universe

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



72, 30.205, 351.288



77, 39.409, 352.054



88, 35.439, 110.164



44, 5.458, 348.976



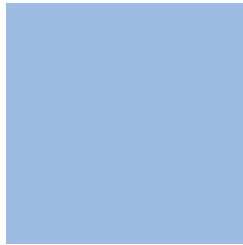
37, 64.006, 9.494



6, 25.801, 0.393

Previews

White Background



This preview shows how the CIELCh color 75, 23.195, 268.417 looks on a white background.

Color Contrast Check

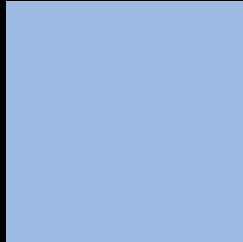
Large Text (above 18pt) WCAG AA × Fail

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 75, 23.195, 268.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

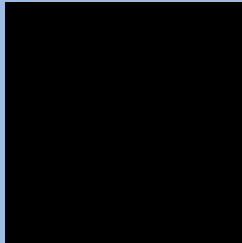
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

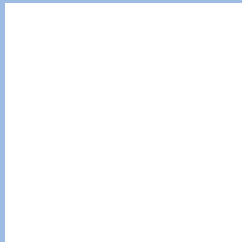
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 23.195, 268.417

Background



This preview shows how black text looks on a background with the CIELCh color 75, 23.195, 268.417.



This preview shows how white text looks on a background with the CIELCh color 75, 23.195, 268.417.

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

75, 23.195, 268.417

Protanopia

75, 22.768, 286.415

Deuteranopia

75, 25.973, 292.588



Tritanopia
75, 14.915, 231.664

Trichromacy



Original Color
75, 23.195, 268.417

Protanomaly
75, 22.543, 279.573

Deuteranomaly
75, 24.995, 284.947

Tritanomaly
75, 17.261, 250.637

Monochromacy



Original Color
75, 23.195, 268.417

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 8.776, 267.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 23.195, 268.417 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(158, 187, 227)` looks like.

```
.text, #text, p{  
    color:rgb(158, 187, 227)  
}
```

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(158, 187, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 187, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 23.195, 268.417 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(158, 187, 227) }
```

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

```
.border{ border-color:rgb(158, 187, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 187, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 187, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 187, 227);  
box-shadow:4px 4px 4px 4px rgb(158, 187,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 23.195, 268.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 187, 227) }
```

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

```
.background{ background-color: rgb(158,  
187, 227) }
```

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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