Converting Colors

CIELCh(73, 34.523, 213.723)

Have a look what the booklet for CIELCh(73, 34.523, 213.723) contains.

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Color

CIELCh(73, 34.523, 213.723)

Conversions

Conversions Part 1

Format	Color
Hex	44C3D5
RGB	68, 195, 213
RGB Percent	27%, 76%, 84%
CMY	0.7323, 0.2346, 0.1640
CMYK	0.68, 0.08, 0.00, 0.16
HSL	187°, 63%, 55%
HSV	187°, 68%, 84%
XYZ	33.9916, 45.1644, 70.0009
YIQ	159.0790, -81.4700, -21.3260

Conversions

Conversions Part 2

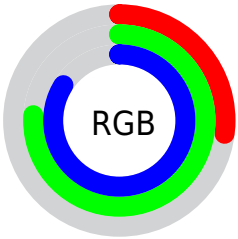
Format	Color
RYB	68, 136, 213
Decimal	4506581
CIELab	73.00, -28.71, -19.17
CIELCh	73, 34.523, 213.723
Yxy	45.1644, 0.2279, 0.3028
Android (android.graphics.Color)	4282696661 (0xFF44C3D5)
YUV	159.0790, 26.5831, -79.8763
Hunter-Lab	67.2044, -27.3236, -14.7140

Details

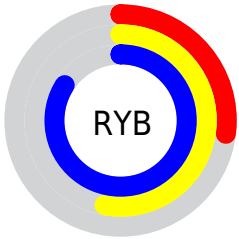
The CIELCh color 73, 34.523, 213.723 is a light color, and the websafe version is hex 66CCCC. The color can be described as light muted cyan. A complement of this color would be 53, 60.639, 36.270, and the grayscale version is 66, 0.008, 296.813.

A 20% lighter version of the original color is 92, 34.867, 199.850, and 54, 31.068, 215.472 is the 20% darker color. If you saturate the color by 10%, you get 72, 36.613, 215.071, and if you desaturate by 10%, it is 74, 31.533, 212.712.

Distribution

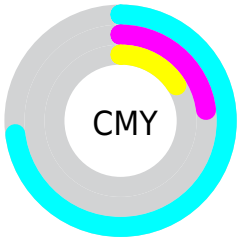


- Red (27%)
- Green (76%)
- Blue (84%)



- Red (27%)
- Yellow (53%)
- Blue (84%)

- Cyan (68%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)



- Cyan (73%)
- Magenta (23%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 34.523, 213.723 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, 34.523, 213.723 by changing the saturation by 10% instead.

73, 34.523, 213.723

100, 34.523, 213.723

93, 34.523, 213.723

73, 34.523, 213.723

63, 34.523, 213.723

53, 34.523, 213.723

43, 34.523, 213.723

33, 34.523, 213.723

23, 34.523, 213.723

13, 34.523, 213.723

3, 34.523, 213.723

0, 34.523, 213.723

73, 34.523, 213.723

72, 36.613, 215.071

71, 37.834, 216.811

70, 38.318, 218.958

70, 38.384, 219.413

73, 34.523, 213.723

74, 31.533, 212.712

76, 27.678, 211.990

78, 23.030, 211.506

79, 17.691, 211.219

81, 11.769, 211.096

84, 5.375, 211.140

86, 1.389, 30.693

88, 8.434, 31.198

90, 13.762, 32.880

Harmonies

Complementary

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

73, 34.523, 213.723

53, 60.639, 36.270

Rectangle

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

73, 34.523, 213.723

73, 34.523, 263.723

73, 34.523, 33.723

73, 34.523, 83.723

Sweetspot

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

73, 34.522, 213.722

95, 15.029, 211.110

76, 81.540, 141.125

50, 10.156, 211.139

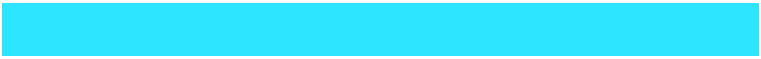
0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

73, 34.522, 213.722



84, 42.709, 215.864

52, 52.501, 281.851

44, 3.822, 211.119

57, 32.576, 219.017

13, 12.957, 214.386

Inverse Universe

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

54, 79.019, 332.069

61, 100.655, 332.922

69, 54.526, 77.465

42, 7.205, 328.545

39, 77.710, 333.849

6, 30.088, 332.538

Previews

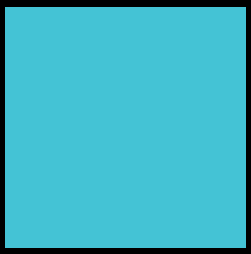
White Background

This preview shows how the CIELCh color 73, 34.523, 213.723 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



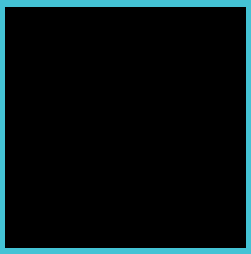
This preview shows how the CIELCh color 73, 34.523, 213.723 looks on a black background.

Color Contrast Check

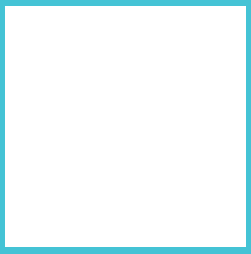
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 73, 34.523, 213.723 Background



This preview shows how black text looks on a background with the CIELCh color 73, 34.523, 213.723.



This preview shows how white text looks on a background with the CIELCh color 73, 34.523, 213.723.

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

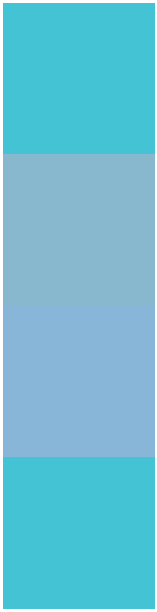
Original Color
73, 34.523, 213.723

Protanopia
73, 13.074, 286.810

Deuteranopia
73, 23.972, 293.266

Tritanopia
73, 34.630, 211.741

Trichromacy



Original Color
73, 34.523, 213.723

Protanomaly
72, 19.006, 235.660

Deuteranomaly
72, 23.027, 252.671

Tritanomaly
73, 34.641, 212.694

Monochromacy

Original Color
73, 34.523, 213.723

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 16.063, 212.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 34.523, 213.723 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(68, 195, 213) looks like.

```
.text, #text, p{
    color:rgb(68, 195, 213)
}
```

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(68, 195, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 195, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 34.523, 213.723 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(68, 195, 213) }
```

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

```
.border{ border-color:rgb(68, 195, 213) }
```

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

Here you see how a box with a 4 pixel rgb(68, 195, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(68, 195, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(68, 195, 213); box-shadow:4px 4px 4px 4px rgb(68, 195, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 34.523, 213.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(68, 195, 213) }
```

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

```
.background{ background-color:rgb(68, 195,
213) }
```

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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