

Converting Colors

CIELCh(78, 37.621, 202.684)

Have a look what the booklet for
CIELCh(78, 37.621, 202.684)
contains.

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Color

CIELCh(78, 37.463, 203.501)

Conversions

Conversions Part 1

Format	Color
Hex	46D3DB
RGB	70, 211, 219
RGB Percent	27%, 83%, 86%
CMY	0.7236, 0.1712, 0.1398
CMYK	0.68, 0.04, 0.00, 0.14
HSL	183°, 68%, 57%
HSV	183°, 68%, 86%
XYZ	38.7710, 53.2120, 75.4828
YIQ	169.7530, -86.6040, -27.4040

Conversions

Conversions Part 2

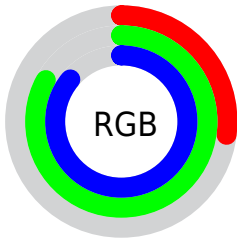
Format	Color
RYB	70, 142, 219
Decimal	4641755
CIELab	78.00, -34.36, -14.94
CIElCh	78, 37.463, 203.501
Yxy	53.2120, 0.2315, 0.3177
Android (android.graphics.Color)	4282831835 (0xFF46D3DB)
YUV	169.7530, 24.2788, -87.4834
Hunter-Lab	72.9466, -32.7840, -10.2888

Details

The CIELCh color **78, 37.463, 203.501** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **53, 64.596, 32.380**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 34.920, 197.274**, and **58, 33.767, 204.389** is the 20% darker color. If you saturate the color by 10%, you get **77, 39.734, 203.913**, and if you desaturate by 10%, it is **79, 34.219, 203.254**.

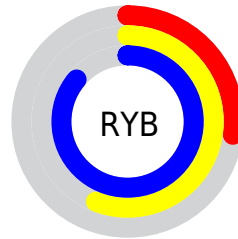
Distribution



Red (27%)

Green (83%)

Blue (86%)



Red (27%)

Yellow (56%)

Blue (86%)

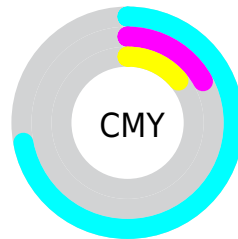


Cyan (68%)

Magenta (4%)

Yellow (0%)

Black (14%)



Cyan (72%)


Magenta (17%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 37.463, 203.501 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 78, 37.463, 203.501 by changing the saturation by 10% instead.


 78, 37.463,
203.501


 78, 37.463,
203.501


 100, 37.463,
203.501


 68, 37.463,
203.501


 98, 37.463,
203.501

 58, 37.463,
203.501

 48, 37.463,
203.501

 38, 37.463,
203.501

 28, 37.463,
203.501

 18, 37.463,
203.501

 8, 37.463, 203.501

0, 37.463, 203.501

78, 37.463,
203.501

78, 37.463,
203.501

77, 39.734,
203.913

79, 34.219,
203.254

77, 41.062,
204.507

80, 30.035,
203.157

76, 41.573,
205.284

81, 24.987,
203.190

76, 41.637,
205.460

83, 19.180,
203.338

84, 12.733,
203.585

86, 5.769, 203.949

■ 88, 1.598, 23.840

■ 90, 9.263, 24.562

■ 91, 12.272, 26.482

Harmonies

Complementary

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



78, 37.463, 203.501



53, 64.596, 32.380

Rectangle

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



78, 37.463, 203.501



78, 37.463, 253.501



78, 37.463, 23.501



78, 37.463, 73.501

Sweetspot

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



78, 37.462, 203.500



96, 15.984, 203.520



78, 86.772, 139.445



51, 10.801, 203.446



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 37.462, 203.500



88, 45.209, 204.118



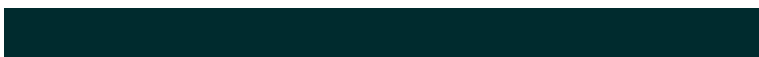
57, 48.338, 275.968



45, 4.143, 203.880



61, 34.973, 205.306



15, 14.202, 203.669

Inverse Universe

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



56, 84.671, 329.481



62, 105.258, 329.990



68, 54.638, 71.408



43, 7.714, 326.421



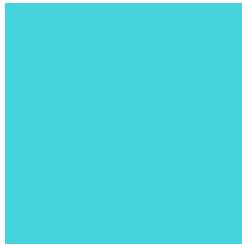
41, 82.995, 330.480



7, 33.290, 330.004

Previews

White Background



This preview shows how the CIELCh color 78, 37.463, 203.501 looks on a white background.

Color Contrast Check

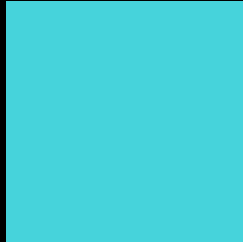
Large Text (above 18pt) WCAG AA × Fail

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 78, 37.463, 203.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

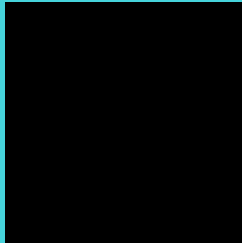
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 37.463, 203.501

Background



This preview shows how black text looks on a background with the CIELCh color 78, 37.463, 203.501.

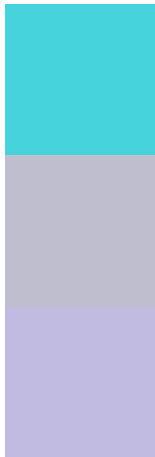


This preview shows how white text looks on a background with the CIELCh color 78, 37.463, 203.501.

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](#).

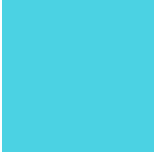
Dichromacy



Original Color
78, 37.463, 203.501

Protanopia
77, 8.591, 290.972

Deuteranopia
78, 20.603, 298.701



Tritanopia
78, 36.299, 211.752

Trichromacy



Original Color
78, 37.463, 203.501



Protanomaly
77, 17.974, 221.308



Deuteranomaly
77, 20.496, 243.985

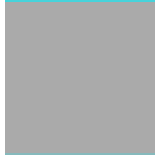


Tritanomaly
78, 36.597, 208.952

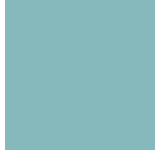
Monochromacy



Original Color
78, 37.463, 203.501



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 17.369, 203.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 37.463, 203.501 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(70, 211, 219)` looks like.

```
.text, #text, p{  
    color:rgb(70, 211, 219)  
}
```

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(70, 211, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 211, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 37.463, 203.501 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(70, 211, 219) }
```

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

```
.border{ border-color:rgb(70, 211, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 211, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 211, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 211, 219);  
box-shadow:4px 4px 4px 4px rgb(70, 211,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 37.463, 203.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 211, 219) }
```

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

```
.background{ background-color: rgb(70, 211,  
219) }
```

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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