

Converting Colors

CIELCh(78, 40.483, 196.609)

Have a look what the booklet for
CIELCh(78, 40.483, 196.609)
contains.

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Color

CIELCh(78, 40.514, 196.599)

Conversions

Conversions Part 1

Format	Color
Hex	37D5D5
RGB	55, 213, 213
RGB Percent	22%, 84%, 84%
CMY	0.7842, 0.1646, 0.1647
CMYK	0.74, 0.00, 0.00, 0.16
HSL	180°, 65%, 53%
HSV	180°, 74%, 84%
XYZ	37.3857, 53.2120, 71.2590
YIQ	165.7580, -94.1680, -33.4960

Conversions

Conversions Part 2

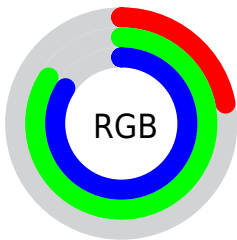
Format	Color
RYB	55, 134, 213
Decimal	3659221
CIELab	78.00, -38.83, -11.57
CIElCh	78, 40.514, 196.599
Yxy	53.2120, 0.2310, 0.3288
Android (android.graphics.Color)	4281849301 (0xFF37D5D5)
YUV	165.7580, 23.2903, -97.1348
Hunter-Lab	72.9466, -36.1738, -6.8557

Details

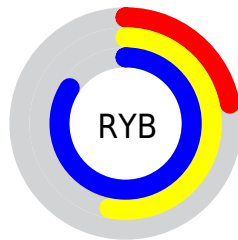
The CIELCh color **78, 40.514, 196.599** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **48, 71.484, 31.893**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.074, 197.146**, and **59, 35.044, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **78, 42.402, 196.473**, and if you desaturate by 10%, it is **78, 37.681, 196.786**.

Distribution



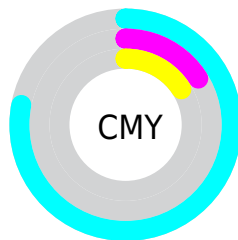
- Red (22%)
- Green (84%)
- Blue (84%)



- Red (22%)
- Yellow (53%)
- Blue (84%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (78%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 40.514, 196.599 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, 40.514, 196.599 by changing the saturation by 10% instead.


 78, 40.514,
196.599


 78, 40.514,
196.599


 100, 40.514,
196.599


 68, 40.514,
196.599


 98, 40.514,
196.599

 58, 40.514,
196.599

 48, 40.514,
196.599

 38, 40.514,
196.599

 28, 40.514,
196.599

 18, 40.514,
196.599

 8, 40.514, 196.599

0, 40.514, 196.599

78, 40.514,
196.599

78, 40.514,
196.599

78, 42.402,
196.473

78, 37.681,
196.786

78, 43.425,
196.406

79, 33.892,
197.041

78, 43.754,
196.384

80, 29.187,
197.362

81, 23.648,
197.746

82, 17.384,
198.192

83, 10.517,
198.700

■ 85, 3.171, 199.356

■ 86, 4.537, 19.609

■ 88, 12.505, 20.280

Harmonies

Complementary

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



78, 40.514, 196.599



48, 71.484, 31.893

Rectangle

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



78, 40.514, 196.599



78, 40.514, 246.599



78, 40.514, 16.599



78, 40.514, 66.599

Sweetspot

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



78, 40.514, 196.598



96, 18.436, 198.285



75, 92.403, 137.461



51, 12.271, 198.154



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, 40.514, 196.598



91, 49.352, 196.428



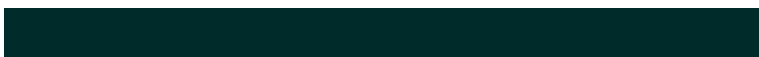
55, 46.260, 271.334



44, 4.287, 198.972



63, 37.123, 196.384



15, 14.559, 196.385

Inverse Universe

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



48, 71.484, 31.893



54, 97.930, 37.410



62, 58.266, 64.317



42, 4.550, 19.928



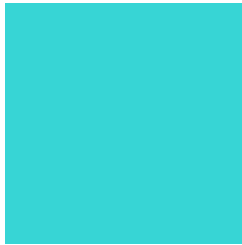
35, 77.348, 39.898



5, 22.000, 19.766

Previews

White Background



This preview shows how the CIELCh color 78, 40.514, 196.599 looks on a white background.

Color Contrast Check

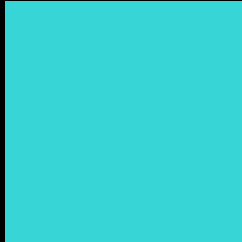
Large Text (above 18pt) WCAG AA × Fail

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, 40.514, 196.599 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

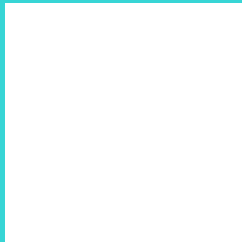
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 40.514, 196.599

Background



This preview shows how black text looks on a background with the CIELCh color 78, 40.514, 196.599.

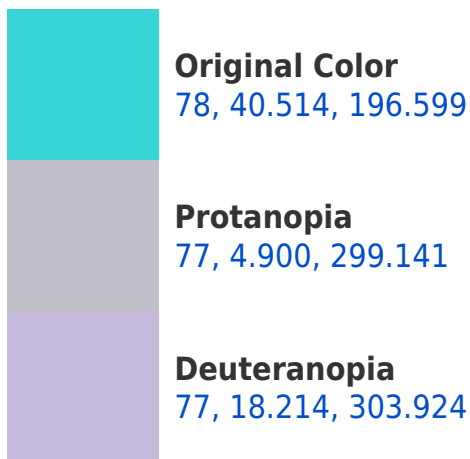


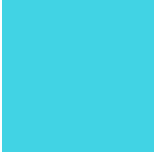
This preview shows how white text looks on a background with the CIELCh color 78, 40.514, 196.599.

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





Tritanopia
78, 37.793, 211.062

Trichromacy



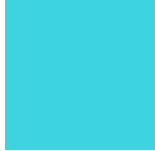
Original Color
78, 40.514, 196.599



Protanomaly
76, 18.783, 208.045



Deuteranomaly
76, 19.612, 233.826

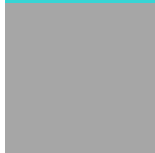


Tritanomaly
78, 38.617, 205.699

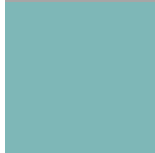
Monochromacy



Original Color
78, 40.514, 196.599



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 19.317, 197.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 40.514, 196.599 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(55, 213, 213)` looks like.

```
.text, #text, p{  
    color:rgb(55, 213, 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(55, 213, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 213, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 40.514, 196.599 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(55, 213, 213) }
```

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

```
.border{ border-color:rgb(55, 213, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 213, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 213, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 213, 213);  
box-shadow:4px 4px 4px 4px rgb(55, 213,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 40.514, 196.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 213, 213) }
```

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

```
.background{ background-color: rgb(55, 213,  
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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