

Converting Colors

CIELCh(78, 54.827, 164.645)

Have a look what the booklet for
CIELCh(78, 54.827, 164.645)
contains.

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Color

CIELCh(78, 54.917, 164.606)

Conversions

Conversions Part 1

Format	Color
Hex	39D9A4
RGB	57, 217, 164
RGB Percent	22%, 85%, 64%
CMY	0.7761, 0.1488, 0.3566
CMYK	0.74, 0.00, 0.24, 0.15
HSL	160°, 68%, 54%
HSV	160°, 74%, 85%
XYZ	33.2270, 53.2120, 43.6683
YIQ	163.1180, -78.3470, -50.4030

Conversions

Conversions Part 2

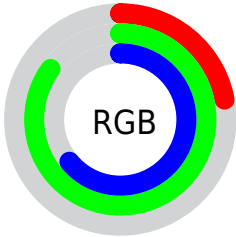
Format	Color
RYB	57, 153, 217
Decimal	3791268
CIELab	78.00, -52.95, 14.58
CIELCh	78, 54.917, 164.606
Yxy	53.2120, 0.2554, 0.4090
Android (android.graphics.Color)	4281981348 (0xFF39D9A4)
YUV	163.1180, 0.4348, -93.0655
Hunter-Lab	72.9466, -46.3501, 15.5696

Details

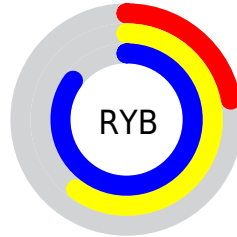
The CIELCh color **78, 54.917, 164.606** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **50, 65.031, 6.721**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 44.646, 171.917**, and **59, 50.159, 161.760** is the 20% darker color. If you saturate the color by 10%, you get **78, 59.512, 162.696**, and if you desaturate by 10%, it is **79, 49.442, 166.313**.

Distribution



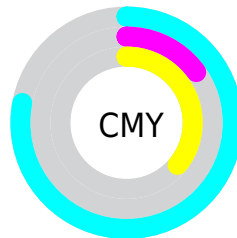
- Red (22%)
- Green (85%)
- Blue (64%)



- Red (22%)
- Yellow (60%)
- Blue (85%)



- Cyan (74%)
- Magenta (0%)
- Yellow (24%)
- Black (15%)




- Cyan (78%)
- Magenta (15%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 54.917, 164.606 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, 54.917, 164.606 by changing the saturation by 10% instead.

 78, 54.917,
164.606

 78, 54.917,
164.606

 100, 54.917,
164.606

 68, 54.917,
164.606

 98, 54.917,
164.606


 58, 54.917,
164.606

 48, 54.917,
164.606

 38, 54.917,
164.606

 28, 54.917,
164.606

 18, 54.917,
164.606

 8, 54.917, 164.606

■ 0, 54.917, 164.606

■ 78, 54.917,
164.606

■ 78, 54.917,
164.606

■ 78, 59.512,
162.696

■ 79, 49.442,
166.313

■ 77, 63.265,
160.582

■ 79, 43.128,
167.836

■ 77, 65.330,
159.196

■ 80, 36.073,
169.200

■ 82, 28.410,
170.429

■ 83, 20.286,
171.550

■ 84, 11.842,
172.588

■ 86, 3.210, 173.645

■ 88, 5.501, 354.280

■ 90, 14.202,
355.161

Harmonies

Complementary

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



78, 54.917, 164.606



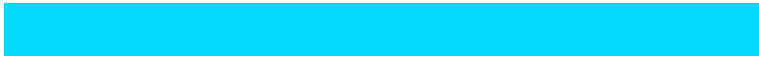
50, 65.031, 6.721

Rectangle

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



78, 54.917, 164.606



78, 54.917, 214.606



78, 54.917, 344.606



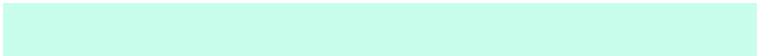
78, 54.917, 34.606

Sweetspot

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



78, 54.917, 164.605



96, 21.502, 171.710



78, 86.691, 131.428



51, 14.398, 171.416



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, 54.917, 164.605



89, 69.483, 161.641



71, 35.580, 221.580



45, 4.963, 173.017



63, 54.909, 159.567



16, 20.534, 164.066

Inverse Universe

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



50, 65.031, 6.721



55, 82.282, 13.007



53, 66.096, 39.714



43, 5.086, 354.656



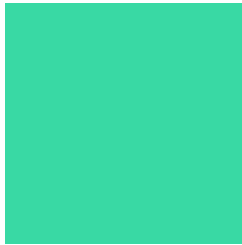
36, 64.699, 17.941



6, 23.991, 5.256

Previews

White Background



This preview shows how the CIE LCh color 78, 54.917, 164.606 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, 54.917, 164.606 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

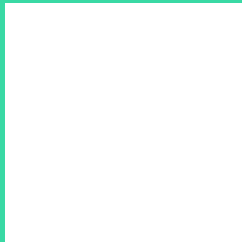
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 54.917, 164.606

Background



This preview shows how black text looks on a background with the CIELCh color 78, 54.917, 164.606.

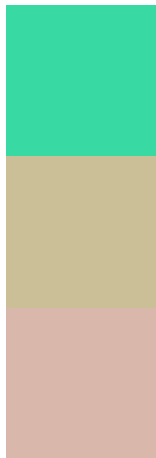


This preview shows how white text looks on a background with the CIELCh color 78, 54.917, 164.606.

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

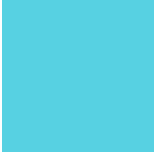
78, 54.917, 164.606

Protanopia

77, 21.840, 95.444

Deuteranopia

77, 14.736, 48.232



Tritanopia
78, 34.269, 212.775

Trichromacy



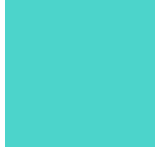
Original Color
78, 54.917, 164.606



Protanomaly
76, 30.195, 146.149



Deuteranomaly
76, 20.493, 150.752



Tritanomaly
78, 38.921, 189.464

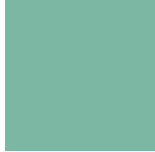
Monochromacy



Original Color
78, 54.917, 164.606



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 23.870, 170.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 54.917, 164.606 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(57, 217, 164)` looks like.

```
.text, #text, p{  
    color:rgb(57, 217, 164)  
}
```

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(57, 217, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 217, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 54.917, 164.606 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(57, 217, 164) }
```

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

```
.border{ border-color:rgb(57, 217, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 217, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 217, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 217, 164);  
box-shadow:4px 4px 4px 4px rgb(57, 217,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 54.917, 164.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 217, 164) }
```

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

```
.background{ background-color: rgb(57, 217,  
164) }
```

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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