

Converting Colors

CIELCh(80, 75.674, 152.226)

Have a look what the booklet for
CIELCh(80, 75.674, 152.226)
contains.

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Color

CIELCh(80, 75.695, 152.190)

Conversions

Conversions Part 1

Format	Color
Hex	14E381
RGB	20, 227, 129
RGB Percent	8%, 89%, 51%
CMY	0.9213, 0.1097, 0.4941
CMYK	0.91, 0.00, 0.43, 0.11
HSL	152°, 84%, 48%
HSV	152°, 91%, 89%
XYZ	31.7263, 56.6813, 30.0419
YIQ	153.9350, -91.9140, -74.3620

Conversions

Conversions Part 2

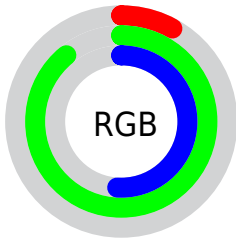
Format	Color
R_{YB}	20, 156, 227
Decimal	1368961
CIE _{Lab}	80.00, -66.95, 35.31
CIE _{LCh}	80, 75.695, 152.190
Y _{xy}	56.6813, 0.2678, 0.4785
Android (android.graphics.Color)	4279559041 (0xFF14E381)
YUV	153.9350, -12.2930, -117.4610
Hunter-Lab	75.2870, -56.5315, 29.0423

Details

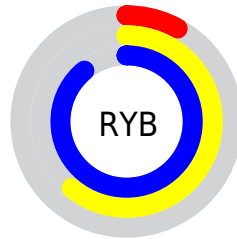
The CIELCh color **80, 75.695, 152.190** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **50, 76.047, 1.390**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 59.371, 157.220**, and **61, 68.266, 147.321** is the 20% darker color. If you saturate the color by 10%, you get **80, 79.858, 150.179**, and if you desaturate by 10%, it is **80, 70.274, 154.350**.

Distribution



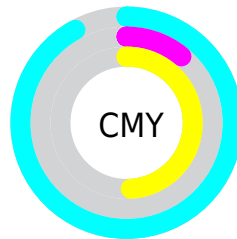
- Red (8%)
- Green (89%)
- Blue (51%)



- Red (8%)
- Yellow (61%)
- Blue (89%)



- Cyan (91%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)





- Cyan (92%)
- Magenta (11%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 75.695, 152.190 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 80, 75.695, 152.190 by changing the saturation by 10% instead.


 80, 75.695,
152.190


 80, 75.695,
152.190


 100, 75.695,
152.190


 70, 75.695,
152.190

 60, 75.695,
152.190

 50, 75.695,
152.190

 40, 75.695,
152.190

 30, 75.695,
152.190

 20, 75.695,
152.190

 10, 75.695,

152.190

■ 0, 75.695, 152.190

■ 80, 75.695,
152.190

■ 80, 75.695,
152.190

■ 80, 79.858,
150.179

■ 80, 70.274,
154.350

■ 81, 63.930,
156.302

■ 82, 56.672,
158.037

■ 83, 48.589,
159.571

■ 84, 39.819,
160.926

■ 85, 30.528,
162.127

■ 86, 20.885,
163.201

■ 88, 11.045,
164.178

■ 90, 1.141, 165.404

Harmonies

Complementary

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



80, 75.695, 152.190



50, 76.047, 1.390

Rectangle

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



80, 75.695, 152.190



80, 75.695, 202.190



80, 75.695, 332.190



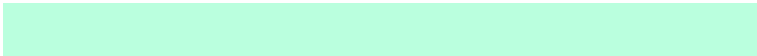
80, 75.695, 22.190

Sweetspot

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



80, 75.695, 152.190



95, 29.170, 162.569



81, 97.419, 127.832



50, 19.596, 162.190



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

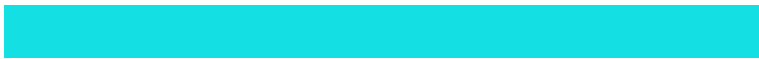
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 75.695, 152.190



89, 87.477, 150.018



81, 44.355, 198.871



47, 5.670, 164.339



64, 66.188, 150.575



18, 25.603, 154.800

Inverse Universe

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



50, 76.047, 1.390



55, 84.440, 5.538



48, 90.534, 38.128



45, 5.752, 345.866



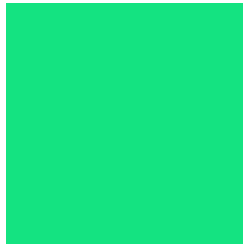
38, 64.654, 4.406



7, 27.372, 356.957

Previews

White Background



This preview shows how the CIE LCh color 80, 75.695, 152.190 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 80, 75.695, 152.190 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 80, 75.695, 152.190

Background



This preview shows how black text looks on a background with the CIELCh color 80, 75.695, 152.190.

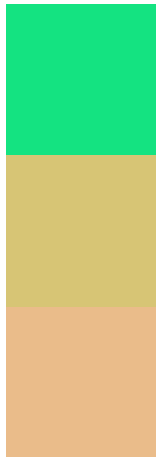


This preview shows how white text looks on a background with the CIELCh color 80, 75.695, 152.190.

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
80, 75.695, 152.190

Protanopia
79, 42.492, 96.035

Deuteranopia
79, 33.101, 72.366



Tritanopia
80, 35.595, 212.057

Trichromacy



Original Color
80, 75.695, 152.190



Protanomaly
78, 51.779, 134.680



Deuteranomaly
77, 39.699, 133.722



Tritanomaly
79, 45.577, 179.817

Monochromacy



Original Color
80, 75.695, 152.190



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 33.780, 160.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 75.695, 152.190 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(20, 227, 129)` looks like.

```
.text, #text, p{  
    color:rgb(20, 227, 129)  
}
```

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(20, 227, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 227, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 75.695, 152.190 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(20, 227, 129) }
```

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

```
.border{ border-color:rgb(20, 227, 129) }
```

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

Here you see how a box with a 4 pixel rgb(20, 227, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 227, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 227, 129);  
box-shadow:4px 4px 4px 4px rgb(20, 227,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 75.695, 152.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 227, 129) }
```

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

```
.background{ background-color: rgb(20, 227,  
129) }
```

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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