

Converting Colors

CIELCh(75, 42.879, 160.545)

Have a look what the booklet for
CIELCh(75, 42.879, 160.545)
contains.

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Color

CIELCh(75, 43.194, 160.477)

Conversions

Conversions Part 1

Format	Color
Hex	66CC9D
RGB	102, 204, 157
RGB Percent	40%, 80%, 62%
CMY	0.6012, 0.2011, 0.3854
CMYK	0.50, 0.00, 0.23, 0.20
HSL	152°, 50%, 60%
HSV	152°, 50%, 80%
XYZ	33.0307, 48.2781, 39.3518
YIQ	168.1440, -45.7050, -36.2410

Conversions

Conversions Part 2

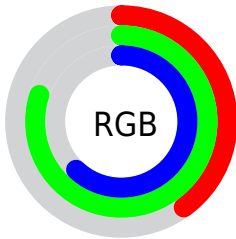
Format	Color
RYB	102, 168, 204
Decimal	6737053
CIELab	75.00, -40.71, 14.43
CIElCh	75, 43.194, 160.477
Yxy	48.2781, 0.2737, 0.4001
Android (android.graphics.Color)	4284927133 (0xFF66CC9D)
YUV	168.1440, -5.4940, -58.0083
Hunter-Lab	69.4824, -36.7385, 15.0584

Details

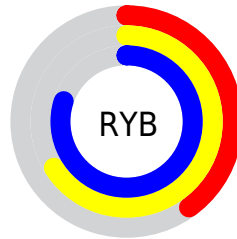
The CIELCh color **75, 43.194, 160.477** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **56, 46.257, 351.500**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.379, 162.746**, and **55, 42.934, 160.675** is the 20% darker color. If you saturate the color by 10%, you get **74, 50.586, 158.979**, and if you desaturate by 10%, it is **76, 35.197, 161.802**.

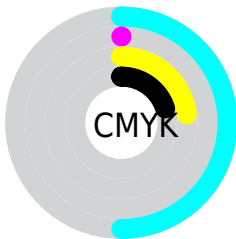
Distribution



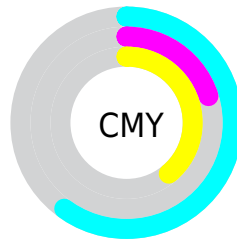
- Red (40%)
- Green (80%)
- Blue (62%)



- Red (40%)
- Yellow (66%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (23%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 43.194, 160.477 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 75, 43.194, 160.477 by changing the saturation by 10% instead.

 75, 43.194,
160.477


 75, 43.194,
160.477

 100, 43.194,
160.477


 65, 43.194,
160.477


 95, 43.194,
160.477

 55, 43.194,
160.477

 45, 43.194,
160.477

 35, 43.194,
160.477

 25, 43.194,
160.477

 15, 43.194,
160.477

 5, 43.194, 160.477

■ 0, 43.194, 160.477

■ 75, 43.194,
160.477

■ 75, 43.194,
160.477

■ 74, 50.586,
158.979

■ 76, 35.197,
161.802

■ 73, 57.241,
157.286

■ 77, 26.742,
162.981

■ 73, 63.076,
155.383

■ 79, 17.979,
164.039

■ 73, 68.073,
153.269

■ 80, 9.046, 165.009

■ 72, 72.351,
151.046

■ 82, 0.061, 172.862

■ 84, 8.883, 346.561

■ 86, 17.712,
347.311

■ 87, 23.548,
342.866

■ 87, 26.696,
334.455

Harmonies

Complementary

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



75, 43.194, 160.477



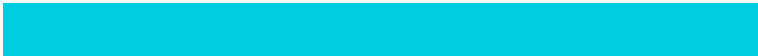
56, 46.257, 351.500

Rectangle

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



75, 43.194, 160.477



75, 43.194, 210.477



75, 43.194, 340.477



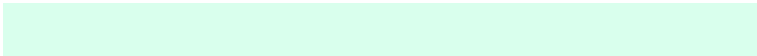
75, 43.194, 30.477

Sweetspot

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



75, 43.195, 160.476



97, 16.150, 164.520



76, 56.938, 127.929



51, 11.011, 164.312



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 43.195, 160.476



91, 60.506, 158.865



75, 29.871, 200.805



42, 5.099, 165.073



60, 61.618, 151.416



12, 20.575, 157.247

Inverse Universe

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



56, 46.257, 351.500



65, 65.065, 353.438



56, 43.434, 27.218



40, 5.176, 346.591



35, 61.169, 5.362



4, 19.553, 355.956

Previews

White Background



This preview shows how the CIELCh color 75, 43.194, 160.477 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 75, 43.194, 160.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

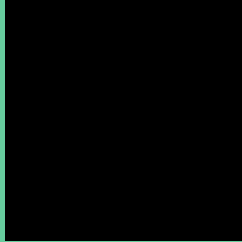
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 43.194, 160.477

Background



This preview shows how black text looks on a background with the CIELCh color 75, 43.194, 160.477.

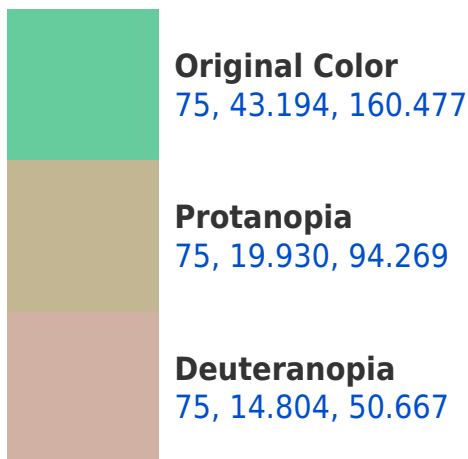


This preview shows how white text looks on a background with the CIELCh color 75, 43.194, 160.477.

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
75, 25.447, 217.787

Trichromacy



Original Color
75, 43.194, 160.477



Protanomaly
74, 24.444, 136.313



Deuteranomaly
74, 15.485, 133.669



Tritanomaly
75, 28.565, 189.599

Monochromacy



Original Color
75, 43.194, 160.477



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 16.614, 164.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 43.194, 160.477 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(102, 204, 157)` looks like.

```
.text, #text, p{  
    color:rgb(102, 204, 157)  
}
```

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(102, 204, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 204, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 43.194, 160.477 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(102, 204, 157) }
```

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

```
.border{ border-color:rgb(102, 204, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 204, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 204, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 204, 157);  
box-shadow:4px 4px 4px 4px rgb(102, 204,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 43.194, 160.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 204, 157) }
```

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

```
.background{ background-color: rgb(102,  
204, 157) }
```

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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