

Converting Colors

CIELCh(75, 44.902, 156.235)

Have a look what the booklet for
CIELCh(75, 44.902, 156.235)
contains.

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Color

CIELCh(75, 44.986, 156.142)

Conversions

Conversions Part 1

Format	Color
Hex	6ACC96
RGB	106, 204, 150
RGB Percent	42%, 80%, 59%
CMY	0.5855, 0.2012, 0.4129
CMYK	0.48, 0.00, 0.27, 0.20
HSL	147°, 49%, 61%
HSV	147°, 48%, 80%
XYZ	32.9093, 48.2781, 36.3169
YIQ	168.5420, -41.0740, -37.5700

Conversions

Conversions Part 2

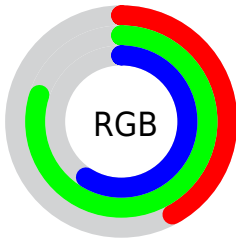
Format	Color
RYB	106, 174, 204
Decimal	6999190
CIELab	75.00, -41.14, 18.20
CIElCh	75, 44.986, 156.142
Yxy	48.2781, 0.2801, 0.4109
Android (android.graphics.Color)	4285189270 (0xFF6ACC96)
YUV	168.5420, -9.1412, -54.8493
Hunter-Lab	69.4824, -37.0505, 17.6482

Details

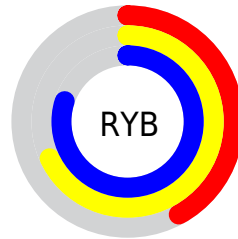
The CIELCh color **75, 44.986, 156.142** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **58, 46.730, 345.714**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 41.455, 157.663**, and **55, 44.866, 156.131** is the 20% darker color. If you saturate the color by 10%, you get **74, 53.282, 154.700**, and if you desaturate by 10%, it is **76, 36.127, 157.408**.

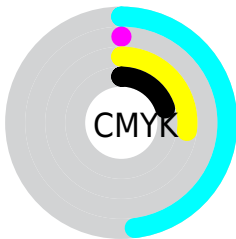
Distribution



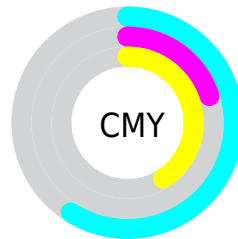
- Red (42%)
- Green (80%)
- Blue (59%)



- Red (42%)
- Yellow (68%)
- Blue (80%)



- Cyan (48%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)




- Cyan (59%)
- Magenta (20%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 44.986, 156.142 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, 44.986, 156.142 by changing the saturation by 10% instead.


 75, 44.986,
156.142

 75, 44.986,
156.142

 100, 44.986,
156.142


 65, 44.986,
156.142


 95, 44.986,
156.142

 55, 44.986,
156.142

 45, 44.986,
156.142

 35, 44.986,
156.142

 25, 44.986,
156.142

 15, 44.986,
156.142

 5, 44.986, 156.142

0, 44.986, 156.142

75, 44.986,
156.142

75, 44.986,
156.142

74, 53.282,
154.700

76, 36.127,
157.408

73, 60.858,
153.062

77, 26.868,
158.524

73, 67.598,
151.214

79, 17.369,
159.515

72, 73.445,
149.164

80, 7.771, 160.417

72, 78.454,
146.969

82, 1.811, 340.934

84, 11.285,
341.825

72, 79.352,
146.570

86, 20.586,

342.487

■ 87, 26.094,
335.811

■ 88, 30.392,
327.946

Harmonies

Complementary

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



75, 44.986, 156.142



58, 46.730, 345.714

Rectangle

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



75, 44.986, 156.142



75, 44.986, 206.142



75, 44.986, 336.142



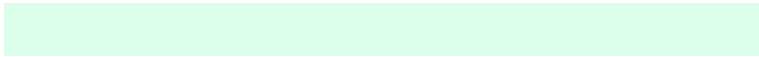
75, 44.986, 26.142

Sweetspot

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



75, 44.987, 156.142



97, 16.113, 159.876



77, 53.405, 124.394



51, 11.124, 159.677



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, 44.987, 156.142



91, 63.720, 154.599



76, 30.903, 190.548



42, 5.443, 160.303



60, 67.558, 146.931



12, 22.242, 153.172

Inverse Universe

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



58, 46.730, 345.714



66, 66.040, 347.237



56, 41.832, 19.862



40, 5.498, 341.712



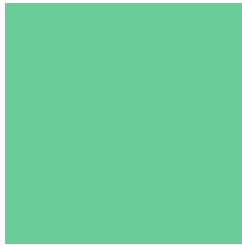
36, 62.203, 356.932



4, 20.478, 350.312

Previews

White Background



This preview shows how the CIELCh color 75, 44.986, 156.142 looks on a white background.

Color Contrast Check

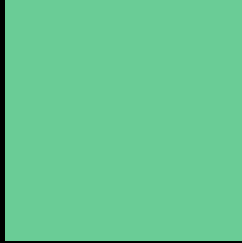
Large Text (above 18pt) WCAG AA × Fail

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, 44.986, 156.142 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, 44.986, 156.142

Background



This preview shows how black text looks on a background with the CIELCh color 75, 44.986, 156.142.

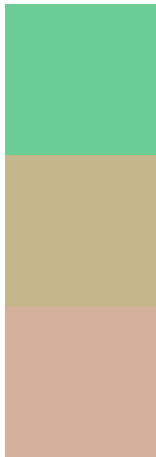


This preview shows how white text looks on a background with the CIELCh color 75, 44.986, 156.142.

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
75, 44.986, 156.142

Protanopia
75, 23.668, 94.995

Deuteranopia
75, 17.845, 59.203



Tritanopia
75, 24.169, 217.577

Trichromacy



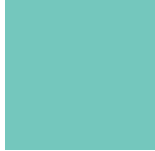
Original Color
75, 44.986, 156.142



Protanomaly
74, 27.464, 131.249



Deuteranomaly
74, 18.568, 125.535



Tritanomaly
75, 27.816, 186.040

Monochromacy



Original Color
75, 44.986, 156.142



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 17.385, 159.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 44.986, 156.142 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(106, 204, 150)` looks like.

```
.text, #text, p{  
    color:rgb(106, 204, 150)  
}
```

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(106, 204, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 204, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 44.986, 156.142 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(106, 204, 150) }
```

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

```
.border{ border-color:rgb(106, 204, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 204, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 204, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 204, 150);  
box-shadow:4px 4px 4px 4px rgb(106, 204,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 44.986, 156.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 204, 150) }
```

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

```
.background{ background-color: rgb(106,  
204, 150) }
```

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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