

Converting Colors

CIELCh(76, 53.191, 149.316)

Have a look what the booklet for
CIELCh(76, 53.191, 149.316)
contains.

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Color

CIELCh(76, 53.237, 149.104)

Conversions

Conversions Part 1

Format	Color
Hex	6AD087
RGB	106, 208, 135
RGB Percent	42%, 82%, 53%
CMY	0.5846, 0.1846, 0.4708
CMYK	0.49, 0.00, 0.35, 0.18
HSL	137°, 52%, 62%
HSV	137°, 49%, 82%
XYZ	32.8446, 49.8872, 30.7971
YIQ	169.1800, -37.3590, -44.3270

Conversions

Conversions Part 2

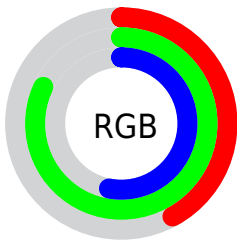
Format	Color
RYB	106, 185, 208
Decimal	7000199
CIELab	76.00, -45.68, 27.34
CIElCh	76, 53.237, 149.104
Yxy	49.8872, 0.2893, 0.4394
Android (android.graphics.Color)	4285190279 (0xFF6AD087)
YUV	169.1800, -16.8507, -55.4089
Hunter-Lab	70.6309, -40.5986, 23.5895

Details

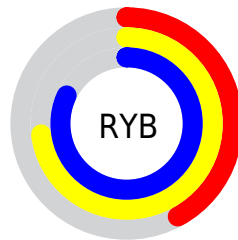
The CIELCh color **76, 53.237, 149.104** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 53.575, 337.377**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 46.886, 150.524**, and **56, 53.631, 148.934** is the 20% darker color. If you saturate the color by 10%, you get **75, 62.969, 147.723**, and if you desaturate by 10%, it is **77, 42.868, 150.309**.

Distribution



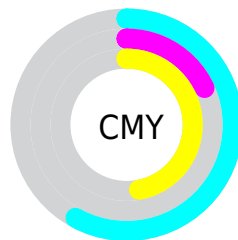
- Red (42%)
- Green (82%)
- Blue (53%)



- Red (42%)
- Yellow (73%)
- Blue (82%)



- Cyan (49%)
- Magenta (0%)
- Yellow (35%)
- Black (18%)





- Cyan (58%)
- Magenta (18%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 53.237, 149.104 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 76, 53.237, 149.104 by changing the saturation by 10% instead.


 76, 53.237,
149.104

 76, 53.237,
149.104


 100, 53.237,
149.104


 66, 53.237,
149.104


 96, 53.237,
149.104

 56, 53.237,
149.104

 46, 53.237,
149.104

 36, 53.237,
149.104

 26, 53.237,
149.104

 16, 53.237,
149.104

 6, 53.237, 149.104

■ 0, 53.237, 149.104

■ 76, 53.237,
149.104

■ 76, 53.237,
149.104

■ 75, 62.969,
147.723

■ 77, 42.868,
150.309

■ 74, 71.848,
146.160

■ 78, 32.073,
151.356

■ 74, 79.686,
144.425

■ 80, 21.050,
152.266

■ 73, 86.342,
142.559

■ 82, 9.967, 153.071

■ 73, 91.788,
140.679

■ 84, 1.043, 333.394

■ 73, 92.257,
140.518

■ 86, 11.878,
334.298

■ 88, 22.468,

334.845

■ 89, 29.081,
326.039

■ 89, 29.506,
325.452

Harmonies

Complementary

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



76, 53.237, 149.104



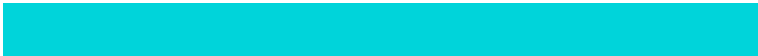
59, 53.575, 337.377

Rectangle

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



76, 53.237, 149.104



76, 53.237, 199.104



76, 53.237, 329.104



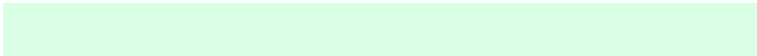
76, 53.237, 19.104

Sweetspot

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



76, 53.238, 149.104



97, 19.537, 152.588



79, 53.500, 118.336



51, 13.337, 152.413



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 53.238, 149.104



90, 74.137, 147.629



77, 35.153, 177.022



43, 6.275, 153.043



60, 78.265, 140.824



13, 26.320, 147.294

Inverse Universe

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



59, 53.575, 337.377



67, 73.867, 338.383



57, 42.971, 8.721



41, 6.305, 334.261



37, 68.398, 343.608



5, 24.990, 340.038

Previews

White Background



This preview shows how the CIELCh color 76, 53.237, 149.104 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 CIE LCh color 76, 53.237, 149.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

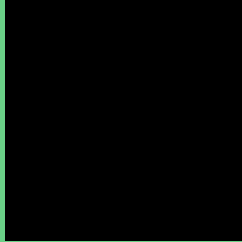
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 53.237, 149.104

Background



This preview shows how black text looks on a background with the CIELCh color 76, 53.237, 149.104.

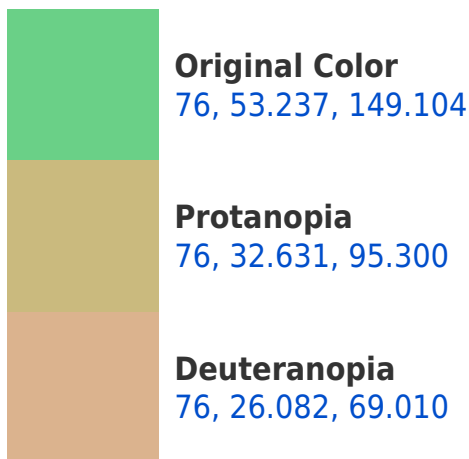


This preview shows how white text looks on a background with the CIELCh color 76, 53.237, 149.104.

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
76, 24.031, 219.076

Trichromacy



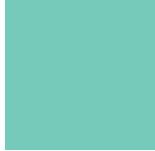
Original Color
76, 53.237, 149.104



Protanomaly
75, 36.072, 124.398



Deuteranomaly
75, 27.582, 117.631

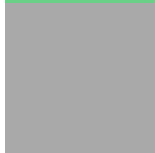


Tritanomaly
76, 29.555, 179.054

Monochromacy



Original Color
76, 53.237, 149.104



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 19.939, 152.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 53.237, 149.104 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, 208, 135)` looks like.

```
.text, #text, p{  
    color:rgb(106, 208, 135)  
}
```

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, 208, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 208, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 53.237, 149.104 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, 208, 135) }
```

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

```
.border{ border-color:rgb(106, 208, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 208, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 208, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 208, 135);  
box-shadow:4px 4px 4px 4px rgb(106, 208,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 53.237, 149.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 208, 135) }
```

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

```
.background{ background-color: rgb(106,  
208, 135) }
```

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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