

Converting Colors

CIELCh(80, 55.413, 149.371)

Have a look what the booklet for
CIELCh(80, 55.413, 149.371)
contains.

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Color

CIELCh(80, 55.240, 149.521)

Conversions

Conversions Part 1

Format	Color
Hex	70DC90
RGB	112, 220, 144
RGB Percent	44%, 86%, 56%
CMY	0.5605, 0.1370, 0.4351
CMYK	0.49, 0.00, 0.35, 0.14
HSL	138°, 61%, 65%
HSV	138°, 49%, 86%
XYZ	37.3366, 56.6813, 35.3803
YIQ	179.0440, -39.9720, -46.5320

Conversions

Conversions Part 2

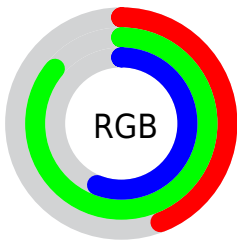
Format	Color
RYB	112, 195, 220
Decimal	7396496
CIELab	80.00, -47.61, 28.02
CIELCh	80, 55.240, 149.521
Yxy	56.6813, 0.2885, 0.4380
Android (android.graphics.Color)	4285586576 (0xFF70DC90)
YUV	179.0440, -17.2767, -58.7976
Hunter-Lab	75.2870, -43.2297, 24.8382

Details

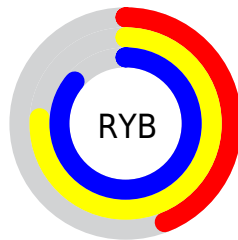
The CIELCh color **80, 55.240, 149.521** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **62, 55.668, 337.939**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 42.080, 152.911**, and **60, 55.105, 149.582** is the 20% darker color. If you saturate the color by 10%, you get **79, 65.317, 148.124**, and if you desaturate by 10%, it is **81, 44.497, 150.739**.

Distribution



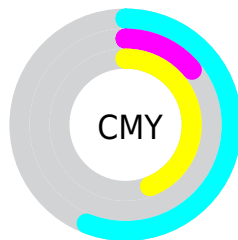
- Red (44%)
- Green (86%)
- Blue (56%)



- Red (44%)
- Yellow (76%)
- Blue (86%)



- Cyan (49%)
- Magenta (0%)
- Yellow (35%)
- Black (14%)





- Cyan (56%)
- Magenta (14%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 55.240, 149.521 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, 55.240, 149.521 by changing the saturation by 10% instead.


 80, 55.240,
149.521


 80, 55.240,
149.521


 100, 55.240,
149.521


 70, 55.240,
149.521

 60, 55.240,
149.521

 50, 55.240,
149.521

 40, 55.240,
149.521

 30, 55.240,
149.521

 20, 55.240,
149.521

 10, 55.240,

149.521

■ 0, 55.240, 149.521

■ 80, 55.240,
149.521

■ 80, 55.240,
149.521

■ 79, 65.317,
148.124

■ 81, 44.497,
150.739

■ 78, 74.505,
146.541

■ 83, 33.306,
151.798

■ 78, 82.617,
144.780

■ 84, 21.872,
152.719

■ 77, 89.516,
142.881

■ 86, 10.372,
153.534

■ 77, 95.179,
140.955

■ 88, 1.057, 333.853

■ 90, 12.307,

■ 77, 95.656,
140.792

334.779

■ 91, 20.817,
327.227

■ 92, 21.871,
325.186

Harmonies

Complementary

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



80, 55.240, 149.521



62, 55.668, 337.939

Rectangle

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



80, 55.240, 149.521



80, 55.240, 199.521



80, 55.240, 329.521



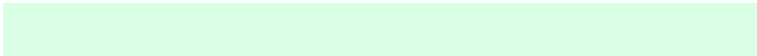
80, 55.240, 19.521

Sweetspot

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



80, 55.241, 149.521



97, 19.365, 153.052



84, 56.030, 118.327



51, 13.219, 152.875



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, 55.241, 149.521



90, 73.448, 148.063



81, 36.801, 176.999



45, 6.469, 153.507



62, 79.449, 141.130



15, 28.766, 146.002

Inverse Universe

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



62, 55.668, 337.939



66, 73.307, 338.962



60, 45.022, 8.763



43, 6.502, 334.744



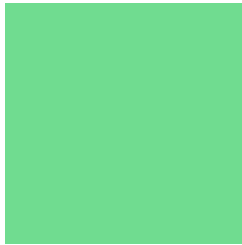
38, 69.358, 344.509



6, 28.095, 341.039

Previews

White Background



This preview shows how the CIELCh color 80, 55.240, 149.521 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, 55.240, 149.521 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, 55.240, 149.521

Background



This preview shows how black text looks on a background with the CIELCh color 80, 55.240, 149.521.



This preview shows how white text looks on a background with the CIELCh color 80, 55.240, 149.521.

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](#).

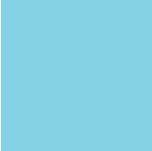
Dichromacy



Original Color
80, 55.240, 149.521

Protanopia
79, 33.829, 95.870

Deuteranopia
79, 26.746, 68.481



Tritanopia
80, 25.329, 218.999

Trichromacy



Original Color
80, 55.240, 149.521



Protanomaly
79, 36.964, 125.090



Deuteranomaly
79, 27.848, 117.493



Tritanomaly
80, 30.724, 179.966

Monochromacy



Original Color
80, 55.240, 149.521



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 21.029, 152.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 55.240, 149.521 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(112, 220, 144)` looks like.

```
.text, #text, p{  
    color:rgb(112, 220, 144)  
}
```

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(112, 220, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 220, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 55.240, 149.521 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(112, 220, 144) }
```

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

```
.border{ border-color:rgb(112, 220, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 220, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 220, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 220, 144); box-shadow:4px 4px 4px 4px rgb(112, 220, 144) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 55.240, 149.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 220, 144) }
```

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

```
.background{ background-color: rgb(112,  
220, 144) }
```

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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