

Converting Colors

CIELCh(76, 45.740, 146.315)

Have a look what the booklet for
CIELCh(76, 45.740, 146.315)
contains.

CIELCh(76, 45.756, 146.244)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 45.756, 146.244)

Conversions

Conversions Part 1

Format	Color
Hex	7ECD8B
RGB	126, 205, 139
RGB Percent	49%, 80%, 55%
CMY	0.5064, 0.1966, 0.4554
CMYK	0.39, 0.00, 0.32, 0.20
HSL	130°, 44%, 65%
HSV	130°, 39%, 80%
XYZ	35.0373, 49.8872, 32.1621
YIQ	173.8550, -25.8980, -37.2740

Conversions

Conversions Part 2

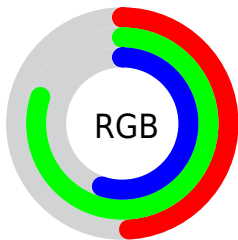
Format	Color
RYB	126, 194, 205
Decimal	8310155
CIELab	76.00, -38.04, 25.42
CIELCh	76, 45.756, 146.244
Yxy	49.8872, 0.2992, 0.4261
Android (android.graphics.Color)	4286500235 (0xFF7ECD8B)
YUV	173.8550, -17.1835, -41.9688
Hunter-Lab	70.6309, -35.0570, 22.4437

Details

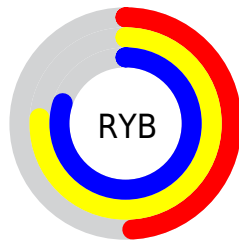
The CIELCh color $76, 45.756, 146.244$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $63, 45.819, 331.729$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 41.393, 147.071$, and $56, 45.815, 146.129$ is the 20% darker color. If you saturate the color by 10%, you get $75, 57.004, 145.113$, and if you desaturate by 10%, it is $77, 34.053, 147.226$.

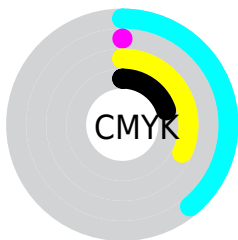
Distribution



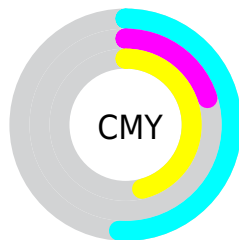
- Red (49%)
- Green (80%)
- Blue (55%)



- Red (49%)
- Yellow (76%)
- Blue (80%)



- Cyan (39%)
- Magenta (0%)
- Yellow (32%)
- Black (20%)




- Cyan (51%)
- Magenta (20%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 45.756, 146.244 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, 45.756, 146.244 by changing the saturation by 10% instead.


 76, 45.756,
146.244


 76, 45.756,
146.244

 100, 45.756,
146.244


 66, 45.756,
146.244


 96, 45.756,
146.244

 56, 45.756,
146.244

 46, 45.756,
146.244

 36, 45.756,
146.244

 26, 45.756,
146.244

 16, 45.756,
146.244

 6, 45.756, 146.244

0, 45.756, 146.244

76, 45.756,
146.244

76, 45.756,
146.244

75, 57.004,
145.113

77, 34.053,
147.226

74, 67.526,
143.828

79, 22.122,
148.074

73, 77.036,
142.403

81, 10.154,
148.814

73, 85.245,
140.880

83, 1.705, 329.228

72, 91.882,
139.340

85, 13.349,
329.921

72, 96.769,
137.934

87, 24.704,
330.397

■ 72, 97.348,
137.770

■ 88, 31.433,
325.518

Harmonies

Complementary

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



76, 45.756, 146.244



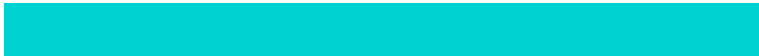
63, 45.819, 331.729

Rectangle

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



76, 45.756, 146.244



76, 45.756, 196.244



76, 45.756, 326.244



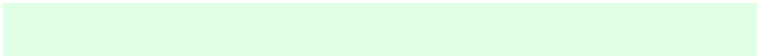
76, 45.756, 16.244

Sweetspot

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



76, 45.757, 146.244



97, 17.040, 148.558



80, 41.317, 113.198



52, 11.310, 148.461



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, 45.757, 146.244



91, 64.667, 145.349



77, 31.188, 168.629



42, 6.709, 148.755



59, 82.714, 137.995



12, 26.437, 145.802

Inverse Universe

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



63, 45.819, 331.729



73, 64.538, 332.256



62, 34.271, 357.041



40, 6.727, 329.861



38, 73.693, 336.004



5, 25.391, 333.728

Previews

White Background



This preview shows how the CIELCh color 76, 45.756, 146.244 looks on a white background.

Color Contrast Check

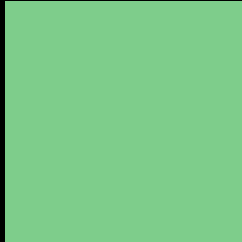
Large Text (above 18pt) WCAG AA × Fail

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, 45.756, 146.244 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, 45.756, 146.244

Background



This preview shows how black text looks on a background with the CIELCh color 76, 45.756, 146.244.

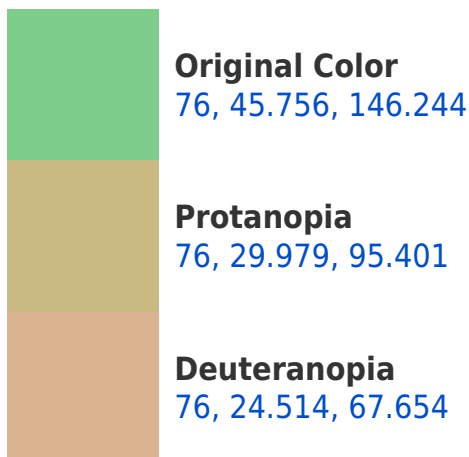


This preview shows how white text looks on a background with the CIELCh color 76, 45.756, 146.244.

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, 19.366, 223.051

Trichromacy



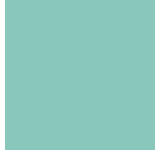
Original Color
76, 45.756, 146.244



Protanomaly
75, 32.200, 120.921



Deuteranomaly
75, 24.045, 110.749

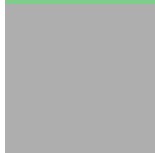


Tritanomaly
76, 23.151, 178.563

Monochromacy



Original Color
76, 45.756, 146.244



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 16.844, 147.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 45.756, 146.244 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(126, 205, 139)` looks like.

```
.text, #text, p{  
    color:rgb(126, 205, 139)  
}
```

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(126, 205, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 205, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 45.756, 146.244 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(126, 205, 139) }
```

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

```
.border{ border-color:rgb(126, 205, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 205, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 205, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 205, 139);  
box-shadow:4px 4px 4px 4px rgb(126, 205,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 45.756, 146.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 205, 139) }
```

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

```
.background{ background-color: rgb(126,  
205, 139) }
```

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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