

Converting Colors

CIELCh(76, 45.584, 159.288)

Have a look what the booklet for
CIELCh(76, 45.584, 159.288)
contains.

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Color

CIELCh(76, 45.442, 159.202)

Conversions

Conversions Part 1

Format	Color
Hex	65CF9C
RGB	101, 207, 156
RGB Percent	40%, 81%, 61%
CMY	0.6033, 0.1876, 0.3876
CMYK	0.51, 0.00, 0.25, 0.19
HSL	151°, 53%, 60%
HSV	151°, 51%, 81%
XYZ	33.7519, 49.8872, 39.3714
YIQ	169.4920, -46.8050, -38.3330

Conversions

Conversions Part 2

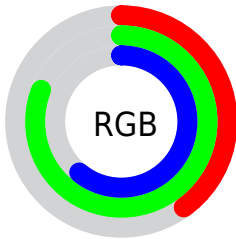
Format	Color
RYB	101, 171, 207
Decimal	6672284
CIELab	76.00, -42.48, 16.14
CIElCh	76, 45.442, 159.202
Yxy	49.8872, 0.2744, 0.4056
Android (android.graphics.Color)	4284862364 (0xFF65CF9C)
YUV	169.4920, -6.6516, -60.0675
Hunter-Lab	70.6309, -38.3054, 16.3919

Details

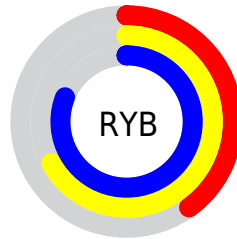
The CIELCh color **76, 45.442, 159.202** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **57, 48.314, 350.365**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.951, 162.379**, and **56, 45.370, 159.356** is the 20% darker color. If you saturate the color by 10%, you get **75, 53.037, 157.682**, and if you desaturate by 10%, it is **77, 37.221, 160.543**.

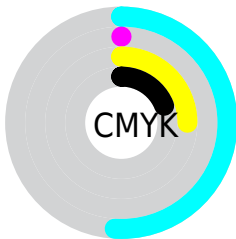
Distribution



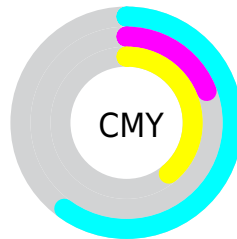
- Red (40%)
- Green (81%)
- Blue (61%)



- Red (40%)
- Yellow (67%)
- Blue (81%)



- Cyan (51%)
- Magenta (0%)
- Yellow (25%)
- Black (19%)





- Cyan (60%)
- Magenta (19%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 45.442, 159.202 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, 45.442, 159.202 by changing the saturation by 10% instead.


 76, 45.442,
159.202


 76, 45.442,
159.202


 100, 45.442,
159.202


 66, 45.442,
159.202


 96, 45.442,
159.202

 56, 45.442,
159.202

 46, 45.442,
159.202

 36, 45.442,
159.202

 26, 45.442,
159.202

 16, 45.442,
159.202

 6, 45.442, 159.202

■ 0, 45.442, 159.202

■ 76, 45.442,
159.202

■ 76, 45.442,
159.202

■ 75, 53.037,
157.682

■ 77, 37.221,
160.543

■ 74, 59.871,
155.964

■ 78, 28.524,
161.732

■ 74, 65.862,
154.033

■ 80, 19.508,
162.795

■ 74, 70.995,
151.894

■ 81, 10.316,
163.761

■ 73, 74.954,
149.913

■ 83, 1.070, 164.973

■ 85, 8.129, 345.306

■ 87, 17.208,

346.052

■ 88, 22.743,
340.053

■ 88, 26.303,
331.374

Harmonies

Complementary

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



76, 45.442, 159.202



57, 48.314, 350.365

Rectangle

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



76, 45.442, 159.202



76, 45.442, 209.202



76, 45.442, 339.202



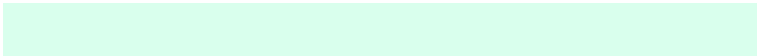
76, 45.442, 29.202

Sweetspot

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



76, 45.443, 159.201



97, 16.395, 163.382



77, 58.616, 127.306



51, 11.180, 163.176



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, 45.443, 159.201



91, 62.508, 157.590



77, 31.289, 198.929



43, 5.281, 163.925



61, 63.744, 150.280



13, 21.965, 155.715

Inverse Universe

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



57, 48.314, 350.365



64, 66.529, 352.238



56, 45.737, 26.382



41, 5.354, 345.425



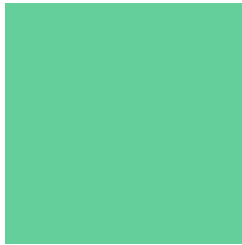
36, 61.956, 3.450



5, 21.630, 355.148

Previews

White Background



This preview shows how the CIELCh color 76, 45.442, 159.202 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 76, 45.442, 159.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

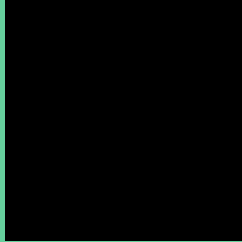
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 45.442, 159.202

Background



This preview shows how black text looks on a background with the CIELCh color 76, 45.442, 159.202.



This preview shows how white text looks on a background with the CIELCh color 76, 45.442, 159.202.

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
76, 45.442, 159.202

Protanopia
76, 21.947, 95.370

Deuteranopia
75, 16.403, 53.855



Tritanopia
76, 25.918, 217.335

Trichromacy



Original Color
76, 45.442, 159.202



Protanomaly
75, 26.451, 134.839



Deuteranomaly
75, 16.929, 131.370

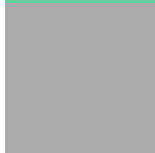


Tritanomaly
76, 29.223, 188.691

Monochromacy



Original Color
76, 45.442, 159.202



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 17.819, 162.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 45.442, 159.202 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(101, 207, 156)` looks like.

```
.text, #text, p{  
    color:rgb(101, 207, 156)  
}
```

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(101, 207, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 207, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 45.442, 159.202 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(101, 207, 156) }
```

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

```
.border{ border-color:rgb(101, 207, 156) }
```

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

Here you see how a box with a 4 pixel rgb(101, 207, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 207, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 207, 156);  
box-shadow:4px 4px 4px 4px rgb(101, 207,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 45.442, 159.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 207, 156) }
```

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

```
.background{ background-color: rgb(101,  
207, 156) }
```

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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