

Converting Colors

CIELCh(76, 93.567, 131.158)

Have a look what the booklet for
CIELCh(76, 93.567, 131.158)
contains.

CIELCh(76, 93.722, 131.244)	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, 93.722, 131.244)

Conversions

Conversions Part 1

Format	Color
Hex	5ED51E
RGB	94, 213, 30
RGB Percent	37%, 84%, 12%
CMY	0.6327, 0.1659, 0.8842
CMYK	0.56, 0.00, 0.86, 0.17
HSL	99°, 76%, 47%
HSV	99°, 86%, 83%
XYZ	28.5262, 49.8872, 9.3227
YIQ	156.5570, -12.1810, -82.1410

Conversions

Conversions Part 2

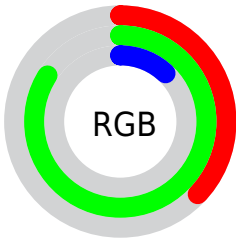
Format	Color
RYB	30, 213, 149
Decimal	6214942
CIELab	76.00, -61.79, 70.47
CIElCh	76, 93.722, 131.244
Yxy	49.8872, 0.3251, 0.5686
Android (android.graphics.Color)	4284405022 (0xFF5ED51E)
YUV	156.5570, -62.3926, -54.8625
Hunter-Lab	70.6309, -51.5120, 41.6158

Details

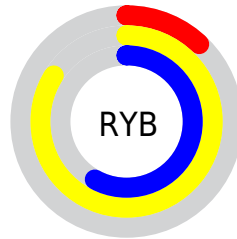
The CIELCh color **76, 93.722, 131.244** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **41, 99.663, 316.532**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 85.607, 130.243**, and **56, 83.293, 135.952** is the 20% darker color. If you saturate the color by 10%, you get **76, 98.228, 131.962**, and if you desaturate by 10%, it is **77, 86.869, 130.983**.

Distribution



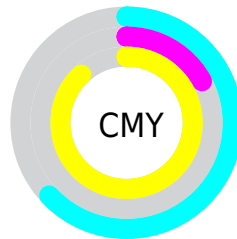
- Red (37%)
- Green (84%)
- Blue (12%)



- Red (12%)
- Yellow (84%)
- Blue (58%)



- Cyan (56%)
- Magenta (0%)
- Yellow (86%)
- Black (17%)




- Cyan (63%)
- Magenta (17%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 93.722, 131.244 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, 93.722, 131.244 by changing the saturation by 10% instead.

 76, 93.722,
131.244

 76, 93.722,
131.244


 100, 93.722,
131.244


 66, 93.722,
131.244


 96, 93.722,
131.244

 56, 93.722,
131.244

 46, 93.722,
131.244

 36, 93.722,
131.244

 26, 93.722,
131.244

 16, 93.722,
131.244

 6, 93.722, 131.244

■ 0, 93.722, 131.244

■ 76, 93.722,
131.244

■ 76, 93.722,
131.244

■ 76, 98.228,
131.962

■ 77, 86.869,
130.983

■ 75, 99.573,
132.279

■ 77, 78.022,
131.088

■ 78, 67.711,
131.432

■ 79, 56.421,
131.902

■ 80, 44.526,
132.420

■ 81, 32.293,
132.939

■ 83, 19.914,
133.433

■ 84, 7.525, 133.898

■ 86, 4.779, 314.245

Harmonies

Complementary

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



76, 93.722, 131.244



41, 99.663, 316.532

Rectangle

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



76, 93.722, 131.244



76, 93.722, 181.244



76, 93.722, 311.244



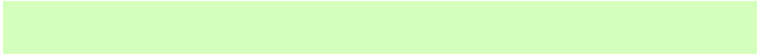
76, 93.722, 1.244

Sweetspot

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



76, 93.722, 131.245



96, 37.253, 132.931



65, 66.892, 75.618



50, 25.237, 132.751



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, 93.722, 131.245



89, 114.372, 132.422



75, 94.743, 138.956



44, 7.040, 133.746



62, 84.365, 132.066



15, 29.112, 133.673

Inverse Universe

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



41, 99.663, 316.532



46, 121.074, 315.629



50, 88.397, 333.530



42, 7.107, 314.505



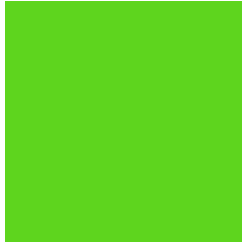
30, 89.525, 315.892



4, 30.202, 314.666

Previews

White Background



This preview shows how the CIELCh color 76, 93.722, 131.244 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 CIELCh color 76, 93.722, 131.244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

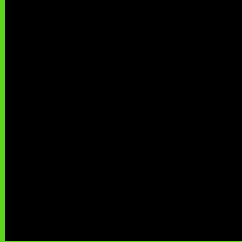
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 93.722, 131.244

Background



This preview shows how black text looks on a background with the CIELCh color 76, 93.722, 131.244.

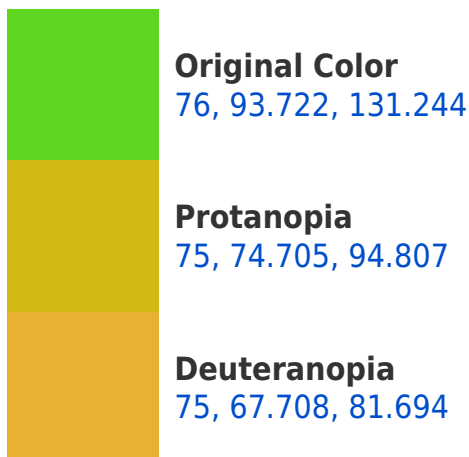


This preview shows how white text looks on a background with the CIELCh color 76, 93.722, 131.244.

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, 24.031, 219.076

Trichromacy



Original Color
76, 93.722, 131.244



Protanomaly
75, 77.676, 112.076



Deuteranomaly
74, 69.422, 106.113



Tritanomaly
75, 43.873, 153.186

Monochromacy



Original Color
76, 93.722, 131.244



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 40.246, 132.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 93.722, 131.244 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(94, 213, 30)` looks like.

```
.text, #text, p{  
    color:rgb(94, 213, 30)  
}
```

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(94, 213, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 213, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 93.722, 131.244 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(94, 213, 30) }
```

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

```
.border{ border-color:rgb(94, 213, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 213, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 213, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 213, 30);  
box-shadow:4px 4px 4px 4px rgb(94, 213,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 93.722, 131.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 213, 30) }
```

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

```
.background{ background-color: rgb(94, 213,  
30) }
```

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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