

Converting Colors

CIELCh(96, 80.582, 102.304)

Have a look what the booklet for
CIELCh(96, 80.582, 102.304)
contains.

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Color

CIELCh(96, 80.714, 102.456)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA4D
RGB	255, 250, 77
RGB Percent	100%, 98%, 30%
CMY	0.0008, 0.0203, 0.6988
CMYK	0.00, 0.02, 0.70, 0.00
HSL	58°, 100%, 65%
HSV	58°, 70%, 100%
XYZ	76.6242, 90.0078, 20.3183
YIQ	231.7730, 58.5130, -52.7430

Conversions

Conversions Part 2

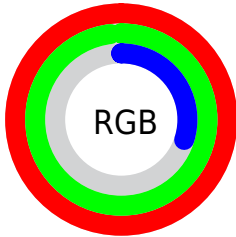
Format	Color
RYB	82, 255, 77
Decimal	16775757
CIELab	96.00, -17.41, 78.81
CIELCh	96, 80.714, 102.456
Yxy	90.0078, 0.4099, 0.4815
Android (android.graphics.Color)	4294965837 (0xFFFFFA4D)
YUV	231.7730, -76.3031, 20.3701
Hunter-Lab	94.8724, -21.8603, 53.7129

Details

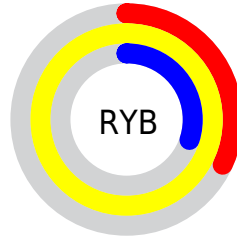
The CIELCh color **96, 80.714, 102.456** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **45, 100.521, 301.122**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 58.607, 105.692**, and **76, 78.890, 102.531** is the 20% darker color. If you saturate the color by 10%, you get **96, 88.006, 101.820**, and if you desaturate by 10%, it is **96, 71.421, 103.236**.

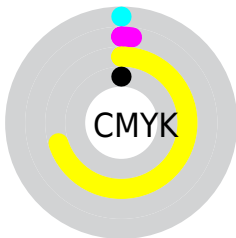
Distribution



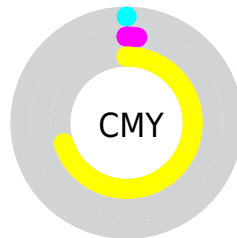
- Red (100%)
- Green (98%)
- Blue (30%)



- Red (32%)
- Yellow (100%)
- Blue (30%)



- Cyan (0%)
- Magenta (2%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 80.714, 102.456 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 96, 80.714, 102.456 by changing the saturation by 10% instead.


 96, 80.714,
102.456


 96, 80.714,
102.456


 100, 80.714,
102.456


 86, 80.714,
102.456

 76, 80.714,
102.456

 66, 80.714,
102.456

 56, 80.714,
102.456

 46, 80.714,
102.456

 36, 80.714,
102.456

 26, 80.714,

102.456

■ 16, 80.714,
102.456

■ 6, 80.714, 102.456

■ 96, 80.714,
102.456

■ 96, 80.714,
102.456

■ 96, 88.006,
101.820

■ 96, 71.421,
103.236

■ 95, 92.702,
101.349

■ 97, 60.761,
104.116

■ 95, 94.808,
101.033

■ 97, 49.237,
105.065

■ 95, 94.831,
101.029

■ 98, 37.193,
106.053

■ 98, 24.855,
107.058

■ 99, 12.364,
108.060

100, 0.110,
289.039

100, 0.071,
208.809

Harmonies

Complementary

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



96, 80.714, 102.456



45, 100.521, 301.122

Rectangle

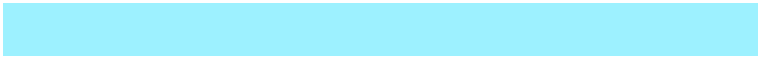
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 80.714, 102.456



96, 80.714, 152.456



96, 80.714, 282.456



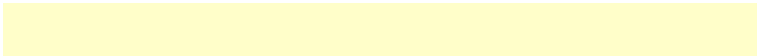
96, 80.714, 332.456

Sweetspot

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



96, 80.714, 102.458



98, 26.292, 106.943



59, 76.305, 28.478



52, 17.776, 106.665



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



96, 80.714, 102.458



96, 90.348, 101.604



92, 89.294, 125.118



53, 7.136, 108.095



74, 76.454, 101.061



25, 34.756, 101.447

Inverse Universe

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



45, 100.521, 301.122



37, 120.204, 304.137



52, 100.510, 311.557



49, 7.289, 290.060



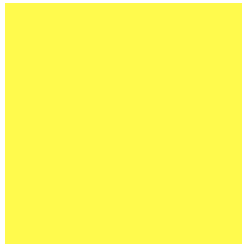
23, 106.522, 305.965



4, 43.240, 301.296

Previews

White Background



This preview shows how the CIELCh color 96, 80.714, 102.456 looks on a white background.

Color Contrast Check

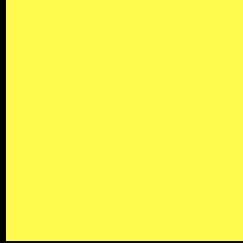
Large Text (above 18pt) WCAG AA × Fail

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 96, 80.714, 102.456 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 96, 80.714, 102.456

Background



This preview shows how black text looks on a background with the CIELCh color 96, 80.714, 102.456.

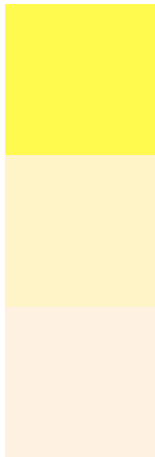


This preview shows how white text looks on a background with the CIELCh color 96, 80.714, 102.456.

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
96, 80.714, 102.456

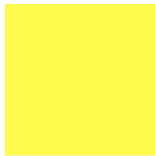
Protanopia
96, 22.778, 97.881

Deuteranopia
96, 9.631, 77.413



Tritanopia
96, 7.016, 344.104

Trichromacy



Original Color
96, 80.714, 102.456



Protanomaly
96, 45.843, 102.102



Deuteranomaly
96, 37.195, 100.601

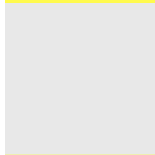


Tritanomaly
96, 29.842, 98.917

Monochromacy



Original Color
96, 80.714, 102.456



Achromatopsia
92, 0.011, 296.813



Achromatomaly
93, 31.608, 106.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 80.714, 102.456 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(255, 250, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 77)  
}
```

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(255, 250, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 80.714, 102.456 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(255, 250, 77) }
```

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

```
.border{ border-color:rgb(255, 250, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 250, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 80.714, 102.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 77) }
```

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

```
.background{ background-color: rgb(255,  
250, 77) }
```

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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