

Converting Colors

CIELCh(100, 68.555, 88.762)

Have a look what the booklet for
CIELCh(100, 68.555, 88.762)
contains.

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Color

CIELCh(96, 65.457, 103.304)

Conversions

Conversions Part 1

Format	Color
Hex	FEF973
RGB	254, 249, 115
RGB Percent	100%, 98%, 45%
CMY	0.0043, 0.0237, 0.5490
CMYK	0.00, 0.02, 0.55, 0.00
HSL	58°, 98%, 72%
HSV	58°, 55%, 100%
XYZ	77.7891, 90.0078, 29.4920
YIQ	235.2190, 45.9940, -40.6140

Conversions

Conversions Part 2

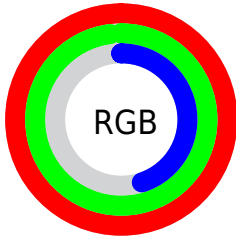
Format	Color
RYB	120, 254, 115
Decimal	16710003
CIELab	96.00, -15.06, 63.70
CIElCh	96, 65.457, 103.304
Yxy	90.0078, 0.3943, 0.4562
Android (android.graphics.Color)	4294900083 (0xFFFEF973)
YUV	235.2190, -59.2680, 16.4709
Hunter-Lab	94.8724, -19.6686, 47.9798

Details

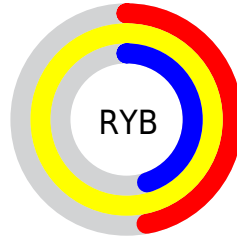
The CIELCh color **96, 65.457, 103.304** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **56, 76.071, 297.335**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 42.047, 106.967**, and **76, 65.461, 103.259** is the 20% darker color. If you saturate the color by 10%, you get **96, 75.464, 102.453**, and if you desaturate by 10%, it is **97, 54.384, 104.241**.

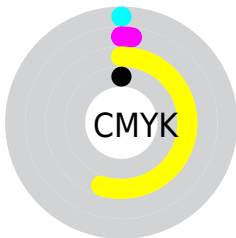
Distribution



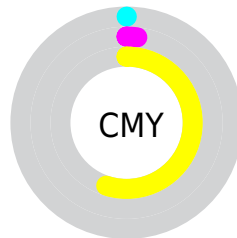
- Red (100%)
- Green (98%)
- Blue (45%)



- Red (47%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (2%)
- Yellow (55%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 65.457, 103.304 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, 65.457, 103.304 by changing the saturation by 10% instead.


 96, 65.457,
103.304


 96, 65.457,
103.304


 100, 65.457,
103.304


 86, 65.457,
103.304

 76, 65.457,
103.304

 66, 65.457,
103.304

 56, 65.457,
103.304

 46, 65.457,
103.304

 36, 65.457,
103.304

 26, 65.457,

103.304

■ 16, 65.457,
103.304

■ 6, 65.457, 103.304

■ 96, 65.457,
103.304

■ 96, 65.457,
103.304

■ 96, 75.464,
102.453

■ 97, 54.384,
104.241

■ 95, 83.827,
101.714

■ 97, 42.657,
105.225

■ 95, 89.891,
101.122

■ 98, 30.552,
106.233

■ 95, 93.195,
100.692

■ 98, 18.242,
107.247

■ 94, 94.047,
100.514

■ 99, 5.838, 108.242
100, 0.366,
263.333

100, 0.383,
201.111

Harmonies

Complementary

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



96, 65.457, 103.304



56, 76.071, 297.335

Rectangle

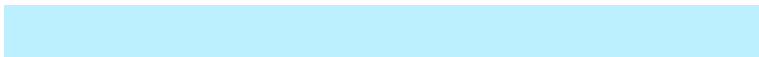
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 65.457, 103.304



96, 65.457, 153.304



96, 65.457, 283.304



96, 65.457, 333.304

Sweetspot

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



96, 65.458, 103.307



99, 19.912, 107.116



66, 58.006, 22.755



53, 13.437, 106.907



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, 65.458, 103.307



96, 76.919, 102.349



93, 72.117, 124.750



53, 7.082, 107.769



73, 76.032, 100.555



25, 34.549, 101.011

Inverse Universe

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



56, 76.071, 297.335



48, 93.873, 299.967



61, 79.229, 310.385



49, 7.231, 289.746



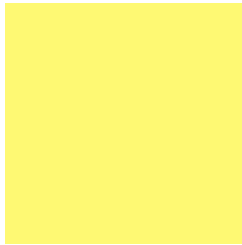
23, 106.185, 305.877



4, 42.998, 301.165

Previews

White Background



This preview shows how the CIELCh color 96, 65.457, 103.304 looks on a white background.

Color Contrast Check

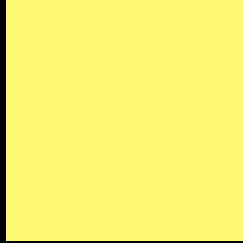
Large Text (above 18pt) WCAG AA × Fail

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, 65.457, 103.304 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, 65.457, 103.304

Background



This preview shows how black text looks on a background with the CIELCh color 96, 65.457, 103.304.

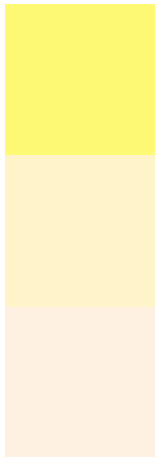


This preview shows how white text looks on a background with the CIELCh color 96, 65.457, 103.304.

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, 65.478, 103.286

Protanopia
96, 22.279, 97.697

Deuteranopia
96, 9.197, 75.797



Tritanopia
96, 7.326, 340.860

Trichromacy



Original Color
96, 65.478, 103.286



Protanomaly
96, 38.533, 101.912



Deuteranomaly
96, 29.761, 99.667

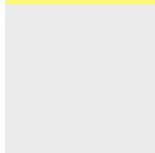


Tritanomaly
96, 22.371, 96.728

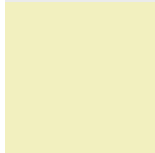
Monochromacy



Original Color
96, 65.478, 103.286



Achromatopsia
93, 0.011, 296.813



Achromatomaly
94, 25.015, 106.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 65.457, 103.304 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(254, 249, 115)` looks like.

```
.text, #text, p{  
    color:rgb(254, 249, 115)  
}
```

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(254, 249, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 249, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 65.457, 103.304 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(254, 249, 115) }
```

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

```
.border{ border-color:rgb(254, 249, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 249, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(254, 249, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(254, 249, 115); box-shadow:4px 4px 4px 4px rgb(254, 249, 115) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 65.457, 103.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 249, 115) }
```

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

```
.background{ background-color: rgb(254,  
249, 115) }
```

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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