

Converting Colors

CIELCh(100, 80.009, 71.407)

Have a look what the booklet for
CIELCh(100, 80.009, 71.407)
contains.

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Color

CIELCh(92, 65.234, 96.771)

Conversions

Conversions Part 1

Format	Color
Hex	FFE966
RGB	255, 233, 102
RGB Percent	100%, 91%, 40%
CMY	0.0000, 0.0852, 0.5990
CMYK	0.00, 0.09, 0.60, 0.00
HSL	51°, 100%, 70%
HSV	51°, 60%, 100%
XYZ	72.9676, 80.7044, 24.3683
YIQ	224.6440, 55.1630, -36.0770

Conversions

Conversions Part 2

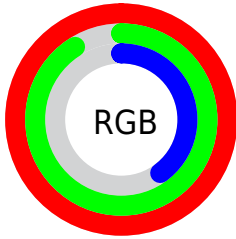
Format	Color
R_{YB}	128, 255, 102
Decimal	16771430
CIE _{Lab}	92.00, -7.69, 64.78
CIE _{LCh}	92, 65.234, 96.771
Yxy	80.7044, 0.4098, 0.4533
Android (android.graphics.Color)	4294961510 (0xFFFFE966)
YUV	224.6440, -60.4635, 26.6222
Hunter-Lab	89.8356, -12.2286, 46.8023

Details

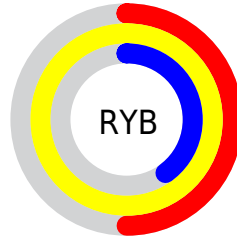
The CIELCh color **92, 65.234, 96.771** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **57, 74.377, 294.255**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 48.795, 106.446**, and **72, 65.209, 97.018** is the 20% darker color. If you saturate the color by 10%, you get **91, 74.176, 95.761**, and if you desaturate by 10%, it is **93, 55.146, 98.014**.

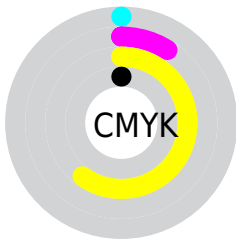
Distribution



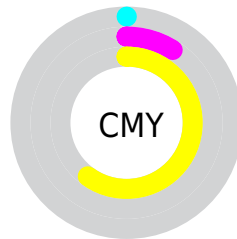
- Red (100%)
- Green (91%)
- Blue (40%)



- Red (50%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (9%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 65.234, 96.771 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 92, 65.234, 96.771 by changing the saturation by 10% instead.

 92, 65.234, 96.771

 92, 65.234, 96.771

 100, 65.234,
96.771

 82, 65.234, 96.771

 72, 65.234, 96.771

 62, 65.234, 96.771

 52, 65.234, 96.771

 42, 65.234, 96.771

 32, 65.234, 96.771

 22, 65.234, 96.771

 12, 65.234, 96.771

 2, 65.234, 96.771

■ 92, 65.234, 96.771

■ 92, 65.234, 96.771

■ 91, 74.176, 95.761

■ 93, 55.146, 98.014

■ 90, 81.347, 94.672

■ 94, 44.448, 99.166

■ 89, 85.974, 93.593

■ 96, 33.424,
100.317

■ 88, 87.865, 92.491

■ 97, 22.256,
101.457

■ 88, 87.879, 92.480

■ 99, 11.053,
102.570

100, 0.012,
296.813

Harmonies

Complementary

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



92, 65.234, 96.771



57, 74.377, 294.255

Rectangle

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



92, 65.234, 96.771



92, 65.234, 146.771



92, 65.234, 276.771



92, 65.234, 326.771

Sweetspot

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



92, 65.215, 96.876



97, 20.129, 101.671



64, 62.487, 16.729



52, 13.990, 101.343



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 65.215, 96.876



91, 75.857, 95.531



94, 76.460, 120.686



53, 6.348, 102.613



68, 70.882, 92.680



23, 31.796, 94.187

Inverse Universe

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



57, 74.377, 294.255



49, 91.253, 297.536



56, 87.018, 307.903



49, 6.446, 284.774



25, 99.785, 304.120



5, 39.600, 299.064

Previews

White Background



This preview shows how the CIE LCh color 92, 65.234, 96.771 looks on a white background.

Color Contrast Check

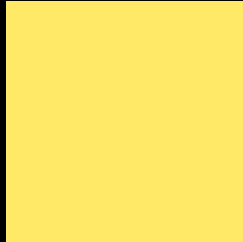
Large Text (above 18pt) WCAG AA × Fail

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 92, 65.234, 96.771 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 92, 65.234, 96.771

Background



This preview shows how black text looks on a background with the CIELCh color 92, 65.234, 96.771.



This preview shows how white text looks on a background with the CIELCh color 92, 65.234, 96.771.

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

92, 65.234, 96.771

Protanopia

92, 54.658, 95.752

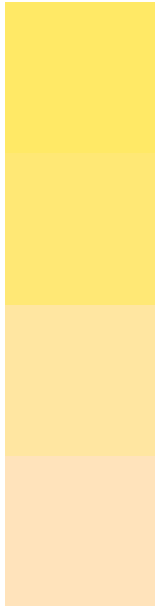
Deuteranopia

92, 19.961, 77.571



Tritanopia
92, 12.530, 353.397

Trichromacy



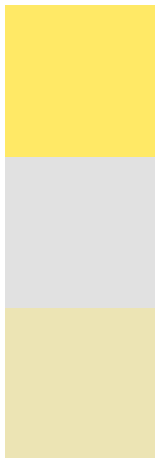
Original Color
92, 65.234, 96.771

Protanomaly
92, 58.313, 96.025

Deuteranomaly
92, 36.768, 91.499

Tritanomaly
92, 23.374, 80.818

Monochromacy



Original Color
92, 65.234, 96.771

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 24.913, 101.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 65.234, 96.771 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, 233, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 102)  
}
```

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, 233, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 65.234, 96.771 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, 233, 102) }
```

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

```
.border{ border-color:rgb(255, 233, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 65.234, 96.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 102) }
```

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

```
.background{ background-color: rgb(255,  
233, 102) }
```

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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