

Converting Colors

CIELCh(96, 88.456, 101.615)

Have a look what the booklet for
CIELCh(96, 88.456, 101.615)
contains.

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Color

CIELCh(96, 88.371, 102.006)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA33
RGB	255, 250, 51
RGB Percent	100%, 98%, 20%
CMY	0.0000, 0.0189, 0.7991
CMYK	0.00, 0.02, 0.80, 0.00
HSL	59°, 100%, 60%
HSV	59°, 80%, 100%
XYZ	76.1445, 90.0078, 16.5174
YIQ	228.8090, 66.8590, -60.8290

Conversions

Conversions Part 2

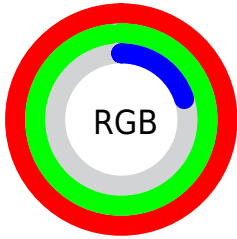
Format	Color
R _Y B	56, 255, 51
Decimal	16775731
CIE Lab	96.00, -18.38, 86.44
CIE LCh	96, 88.371, 102.006
Yxy	90.0078, 0.4168, 0.4927
Android (android.graphics.Color)	4294965811 (0xFFFFFA33)
YUV	228.8090, -87.6598, 22.9695
Hunter-Lab	94.8724, -22.7630, 56.0882

Details

The CIELCh color **96, 88.371, 102.006** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **39, 115.503, 303.456**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 67.460, 105.017**, and **76, 78.891, 102.852** is the 20% darker color. If you saturate the color by 10%, you get **96, 93.062, 101.606**, and if you desaturate by 10%, it is **96, 81.076, 102.678**.

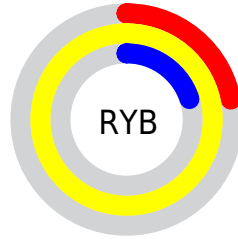
Distribution



Red (100%)

Green (98%)

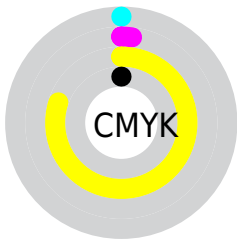
Blue (20%)



Red (22%)

Yellow (100%)

Blue (20%)

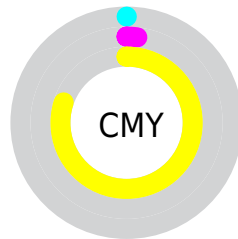


Cyan (0%)

Magenta (2%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 88.371, 102.006 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, 88.371, 102.006 by changing the saturation by 10% instead.


 96, 88.371,
102.006


 96, 88.371,
102.006


 100, 88.371,
102.006


 86, 88.371,
102.006

 76, 88.371,
102.006

 66, 88.371,
102.006


 56, 88.371,
102.006

 46, 88.371,
102.006

 36, 88.371,
102.006

 26, 88.371,


102.006


 16, 88.371,
102.006


 6, 88.371, 102.006

 96, 88.371,
102.006


 96, 88.371,
102.006


 96, 93.062,
101.606


 96, 81.076,
102.678

 96, 95.176,
101.316

 97, 71.769,
103.443

 96, 95.190,
101.314

 97, 61.084,
104.313

 97, 49.522,
105.255

■ 98, 37.432,
106.237

■ 99, 25.041,
107.237

■ 99, 12.492,
108.236

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.



96, 88.371, 102.006



39, 115.503, 303.456

Rectangle

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



96, 88.371, 102.006



96, 88.371, 152.006



96, 88.371, 282.006



96, 88.371, 332.006

Sweetspot

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



96, 88.369, 102.057



98, 30.134, 106.828



56, 87.389, 32.255



52, 20.664, 106.471



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, 88.369, 102.057



96, 94.545, 101.418



91, 98.123, 125.354



53, 7.167, 108.276



74, 76.694, 101.341



25, 34.873, 101.688

Inverse Universe

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



39, 115.503, 303.456



33, 131.073, 305.834



47, 112.269, 311.736



49, 7.322, 290.234



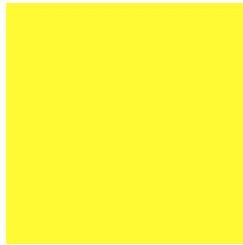
23, 106.712, 306.014



4, 43.376, 301.368

Previews

White Background



This preview shows how the CIELCh color 96, 88.371, 102.006 looks on a white background.

Color Contrast Check

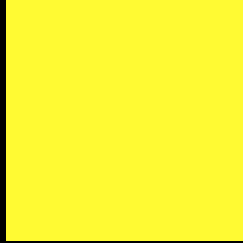
Large Text (above 18pt) WCAG AA × Fail

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, 88.371, 102.006 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, 88.371, 102.006

Background



This preview shows how black text looks on a background with the CIELCh color 96, 88.371, 102.006.

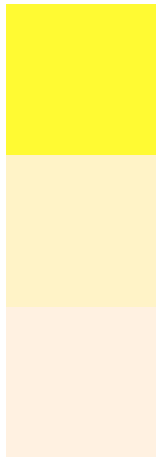


This preview shows how white text looks on a background with the CIELCh color 96, 88.371, 102.006.

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, 88.371, 102.006

Protanopia
96, 22.869, 96.931

Deuteranopia
96, 9.631, 77.413



Tritanopia
96, 7.016, 344.104

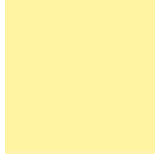
Trichromacy



Original Color
96, 88.371, 102.006



Protanomaly
96, 50.627, 102.110



Deuteranomaly
95, 41.610, 100.900

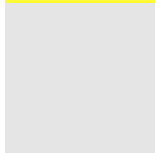


Tritanomaly
95, 34.309, 99.645

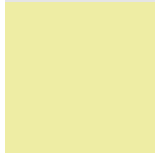
Monochromacy



Original Color
96, 88.371, 102.006



Achromatopsia
91, 0.011, 296.813



Achromatomaly
92, 37.119, 106.578

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 88.371, 102.006 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 88.371, 102.006 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, 51) }
```

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

```
.border{ border-color:rgb(255, 250, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 88.371, 102.006 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
250, 51) }
```

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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