

Converting Colors

CIELCh(100, 95.413, 89.432)

Have a look what the booklet for
CIELCh(100, 95.413, 89.432)
contains.

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Color

CIELCh(96, 92.415, 101.767)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA20
RGB	255, 250, 32
RGB Percent	100%, 98%, 13%
CMY	0.0000, 0.0183, 0.8759
CMYK	0.00, 0.02, 0.88, 0.00
HSL	59°, 100%, 56%
HSV	59°, 88%, 100%
XYZ	75.9164, 90.0078, 14.7130
YIQ	226.6430, 72.9580, -66.7380

Conversions

Conversions Part 2

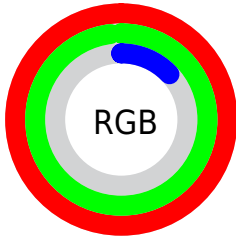
Format	Color
R _Y B	37, 255, 32
Decimal	16775712
CIE Lab	96.00, -18.85, 90.47
CIE LCh	96, 92.415, 101.767
Yxy	90.0078, 0.4203, 0.4983
Android (android.graphics.Color)	4294965792 (0xFFFFFA20)
YUV	226.6430, -95.9590, 24.8691
Hunter-Lab	94.8724, -23.1920, 57.2159

Details

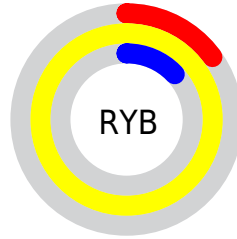
The CIELCh color **96, 92.415, 101.767** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **36, 124.749, 304.881**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 72.048, 104.671**, and **76, 78.891, 102.852** is the 20% darker color. If you saturate the color by 10%, you get **96, 94.998, 101.560**, and if you desaturate by 10%, it is **96, 87.070, 102.341**.

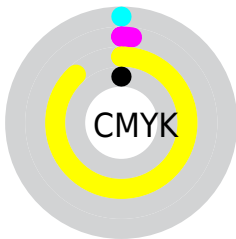
Distribution



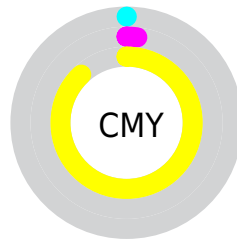
- Red (100%)
- Green (98%)
- Blue (13%)



- Red (15%)
- Yellow (100%)
- Blue (13%)



- Cyan (0%)
- Magenta (2%)
- Yellow (88%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 92.415, 101.767 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, 92.415, 101.767 by changing the saturation by 10% instead.


 96, 92.415,
101.767


 96, 92.415,
101.767


 100, 92.415,
101.767


 86, 92.415,
101.767

 76, 92.415,
101.767

 66, 92.415,
101.767

 56, 92.415,
101.767

 46, 92.415,
101.767

 36, 92.415,
101.767

 26, 92.415,

101.767

■ 16, 92.415,
101.767

■ 6, 92.415, 101.767

■ 96, 92.415,
101.767

■ 96, 92.415,
101.767

■ 96, 94.998,
101.560

■ 96, 87.070,
102.341

■ 96, 95.392,
101.501

■ 96, 79.242,
102.990

■ 97, 69.550,
103.775

■ 97, 58.604,
104.659

■ 98, 46.870,
105.608

■ 98, 34.665,
106.593

■ 99, 22.196,
107.591

■ 99, 9.590, 108.583

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, 92.415, 101.767



36, 124.749, 304.881

Rectangle

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



96, 92.415, 101.767



96, 92.415, 151.767



96, 92.415, 281.767



96, 92.415, 331.767

Sweetspot

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



96, 92.411, 101.863



98, 32.701, 106.751



54, 94.869, 35.297



52, 22.122, 106.406



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, 92.411, 101.863



96, 95.392, 101.501



91, 103.168, 125.845



53, 7.187, 108.395



74, 76.853, 101.525



25, 34.950, 101.847

Inverse Universe

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



36, 124.749, 304.881



33, 132.998, 306.119



43, 119.179, 311.630



49, 7.343, 290.349



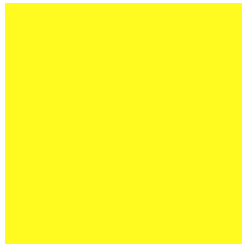
23, 106.839, 306.046



4, 43.466, 301.416

Previews

White Background



This preview shows how the CIELCh color 96, 92.415, 101.767 looks on a white background.

Color Contrast Check

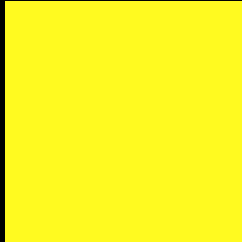
Large Text (above 18pt) WCAG AA × Fail

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, 92.415, 101.767 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, 92.415, 101.767

Background



This preview shows how black text looks on a background with the CIELCh color 96, 92.415, 101.767.



This preview shows how white text looks on a background with the CIELCh color 96, 92.415, 101.767.

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](#).

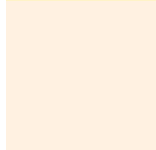
Dichromacy




Original Color
96, 92.254, 101.776



Protanopia
96, 22.869, 96.931



Deuteranopia
96, 9.631, 77.413



Tritanopia
96, 6.732, 347.637

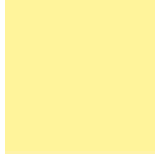
Trichromacy



Original Color
96, 92.254, 101.776



Protanomaly
96, 53.922, 102.077



Deuteranomaly
95, 45.012, 101.044

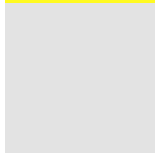


Tritanomaly
95, 38.256, 100.078

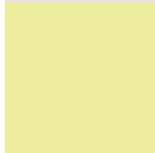
Monochromacy



Original Color
96, 92.254, 101.776



Achromatopsia
90, 0.011, 296.813



Achromatomaly
92, 40.149, 105.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 92.415, 101.767 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 92.415, 101.767 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, 32) }
```

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

```
.border{ border-color:rgb(255, 250, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 92.415, 101.767 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, 32) }
```

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

```
.background{ background-color: rgb(255,  
250, 32) }
```

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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