

Converting Colors

CIELCh(93, 84.551, 103.398)

Have a look what the booklet for
CIELCh(93, 84.551, 103.398)
contains.

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Color

CIELCh(93, 84.375, 103.220)

Conversions

Conversions Part 1

Format	Color
Hex	F3F238
RGB	243, 242, 56
RGB Percent	95%, 95%, 22%
CMY	0.0464, 0.0504, 0.7796
CMYK	0.00, 0.00, 0.77, 0.05
HSL	60°, 89%, 59%
HSV	60°, 77%, 95%
XYZ	69.5352, 82.9670, 16.1150
YIQ	221.0950, 60.3020, -57.6340

Conversions

Conversions Part 2

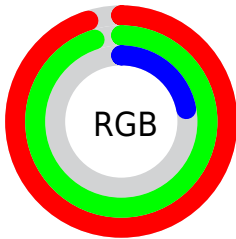
Format	Color
R_YB	57, 243, 56
Decimal	15987256
CIE _{Lab}	93.00, -19.30, 82.14
CIE _{LCh}	93, 84.375, 103.220
Yxy	82.9670, 0.4124, 0.4920
Android (android.graphics.Color)	4294177336 (0xFF3F238)
YUV	221.0950, -81.3918, 19.2107
Hunter-Lab	91.0862, -23.1341, 53.2708

Details

The CIELCh color **93, 84.375, 103.220** 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 **38, 108.991, 303.273**, and the grayscale version is **88, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 66.602, 105.082**, and **73, 76.475, 103.852** is the 20% darker color. If you saturate the color by 10%, you get **93, 89.786, 102.795**, and if you desaturate by 10%, it is **93, 76.617, 103.831**.

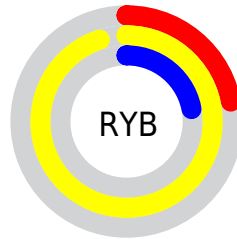
Distribution



Red (95%)

Green (95%)

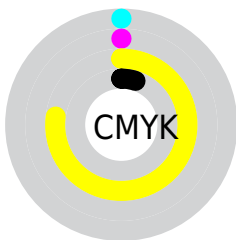
Blue (22%)



Red (22%)

Yellow (95%)

Blue (22%)

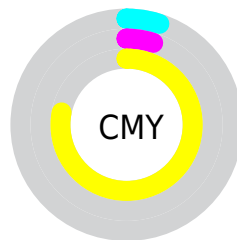


Cyan (0%)

Magenta (0%)

Yellow (77%)

Black (5%)



Cyan (5%)


Magenta (5%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 84.375, 103.220 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 93, 84.375, 103.220 by changing the saturation by 10% instead.


 93, 84.375,
103.220


 93, 84.375,
103.220

 100, 84.375,
103.220


 83, 84.375,
103.220

 73, 84.375,
103.220

 63, 84.375,
103.220

 53, 84.375,
103.220

 43, 84.375,
103.220

 33, 84.375,
103.220

 23, 84.375,

103.220

■ 13, 84.375,
103.220

■ 3, 84.375, 103.220

■ 93, 84.375,
103.220

■ 93, 84.375,
103.220

■ 93, 89.786,
102.795

■ 93, 76.617,
103.831

■ 93, 92.560,
102.561

■ 93, 67.098,
104.584

■ 93, 93.103,
102.511

■ 94, 56.388,
105.442

■ 94, 44.925,
106.368

■ 94, 33.007,
107.333

■ 95, 20.828,
108.314

■ 95, 8.511, 109.289

■ 96, 3.863, 290.284

■ 96, 5.983, 290.082

Harmonies

Complementary

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



93, 84.375, 103.220



38, 108.991, 303.273

Rectangle

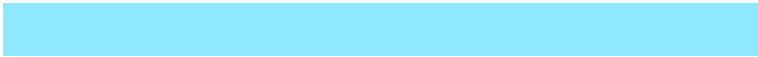
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 84.375, 103.220



93, 84.375, 153.220



93, 84.375, 283.220



93, 84.375, 333.220

Sweetspot

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



93, 84.375, 103.222



99, 29.403, 107.708



54, 81.791, 32.049



52, 20.311, 107.354



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 84.375, 103.222



97, 94.945, 102.647



88, 92.638, 125.831



51, 7.058, 109.037



73, 76.194, 102.517



24, 33.038, 102.892

Inverse Universe

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



38, 108.991, 303.273



34, 129.598, 305.675



46, 104.797, 312.134



47, 7.216, 290.960



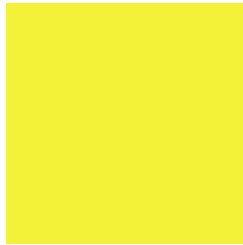
22, 105.386, 306.223



3, 39.756, 299.684

Previews

White Background



This preview shows how the CIELCh color 93, 84.375, 103.220 looks on a white background.

Color Contrast Check

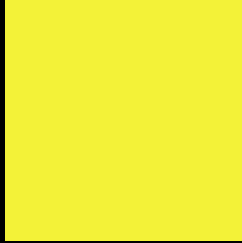
Large Text (above 18pt) WCAG AA × Fail

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 93, 84.375, 103.220 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 93, 84.375, 103.220

Background



This preview shows how black text looks on a background with the CIELCh color 93, 84.375, 103.220.

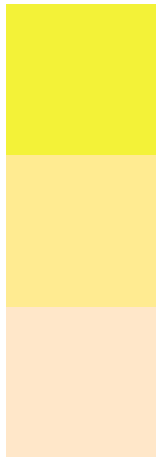


This preview shows how white text looks on a background with the CIELCh color 93, 84.375, 103.220.

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
93, 84.375, 103.220

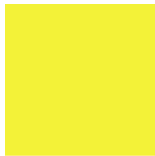
Protanopia
93, 46.307, 96.398

Deuteranopia
93, 17.952, 78.428



Tritanopia
93, 12.649, 342.641

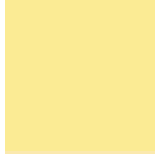
Trichromacy



Original Color
93, 84.375, 103.220



Protanomaly
93, 62.025, 100.221



Deuteranomaly
93, 44.575, 98.272

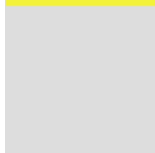


Tritanomaly
93, 31.041, 94.567

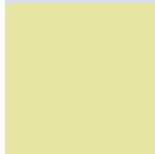
Monochromacy



Original Color
93, 84.375, 103.220



Achromatopsia
88, 0.010, 296.813



Achromatomaly
90, 34.831, 107.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 84.375, 103.220 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(243, 242, 56)` looks like.

```
.text, #text, p{  
    color:rgb(243, 242, 56)  
}
```

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(243, 242, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 242, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 84.375, 103.220 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(243, 242, 56) }
```

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

```
.border{ border-color:rgb(243, 242, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 242, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 242, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 242, 56);  
box-shadow:4px 4px 4px 4px rgb(243, 242,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 84.375, 103.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 242, 56) }
```

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

```
.background{ background-color: rgb(243,  
242, 56) }
```

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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