

Converting Colors

CIELCh(93, 41.813, 94.875)

Have a look what the booklet for
CIELCh(93, 41.813, 94.875) contains.

CIELCh(93, 41.960, 95.802)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(93, 41.960, 95.802)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB9A
RGB	255, 235, 154
RGB Percent	100%, 92%, 60%
CMY	0.0002, 0.0786, 0.3963
CMYK	0.00, 0.08, 0.40, 0.00
HSL	48°, 100%, 80%
HSV	48°, 40%, 100%
XYZ	76.7410, 82.9670, 42.5194
YIQ	231.7460, 37.9210, -20.9510

Conversions

Conversions Part 2

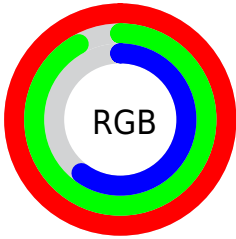
Format	Color
RYB	179, 255, 154
Decimal	16771994
CIELab	93.00, -4.24, 41.75
CIELCh	93, 41.960, 95.802
Yxy	82.9670, 0.3795, 0.4103
Android (android.graphics.Color)	4294962074 (0xFFFFEB9A)
YUV	231.7460, -38.3288, 20.3938
Hunter-Lab	91.0862, -9.0130, 36.0836

Details

The CIELCh color **93, 41.960, 95.802** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **72, 44.198, 286.679**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **73, 41.605, 95.375** is the 20% darker color. If you saturate the color by 10%, you get **91, 52.322, 94.558**, and if you desaturate by 10%, it is **95, 31.382, 97.037**.

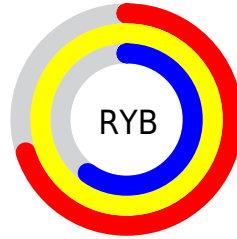
Distribution



Red (100%)

Green (92%)

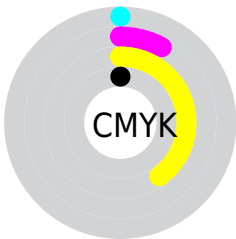
Blue (60%)



Red (70%)

Yellow (100%)

Blue (60%)

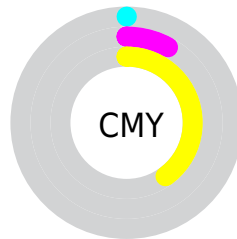


Cyan (0%)

Magenta (8%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 41.960, 95.802 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, 41.960, 95.802 by changing the saturation by 10% instead.

 93, 41.960, 95.802

 93, 41.960, 95.802

 100, 41.960,
95.802

 83, 41.960, 95.802

 73, 41.960, 95.802

 63, 41.960, 95.802

 53, 41.960, 95.802

 43, 41.960, 95.802

 33, 41.960, 95.802

 23, 41.960, 95.802

 13, 41.960, 95.802

 3, 41.960, 95.802

■ 93, 41.960, 95.802

■ 93, 41.960, 95.802

■ 91, 52.322, 94.558

■ 95, 31.382, 97.037

■ 90, 62.189, 93.297

■ 96, 20.740, 98.243

■ 88, 71.112, 92.020

■ 98, 10.125, 99.411

■ 87, 78.409, 90.707

100, 0.021,
231.981

■ 86, 83.257, 89.311

■ 84, 85.308, 87.771

■ 84, 85.367, 87.711

Harmonies

Complementary

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



93, 41.960, 95.802



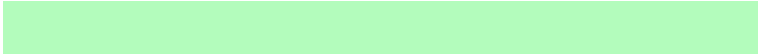
72, 44.198, 286.679

Rectangle

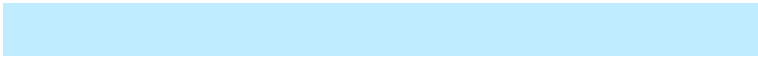
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 41.960, 95.802



93, 41.960, 145.802



93, 41.960, 275.802



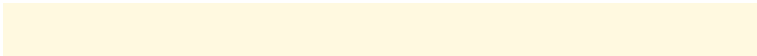
93, 41.960, 325.802

Sweetspot

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



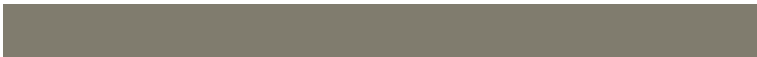
93, 41.961, 95.806



98, 12.655, 99.137



74, 40.469, 8.213



52, 8.399, 98.985



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

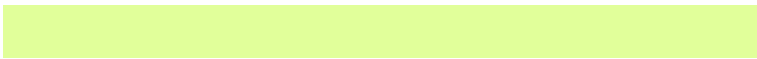
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 41.961, 95.806



92, 50.684, 94.760



96, 51.705, 119.493



52, 5.989, 99.423



65, 68.876, 88.010



22, 30.514, 90.051

Inverse Universe

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



72, 44.198, 286.679



67, 54.328, 288.537



70, 56.251, 304.693



49, 6.059, 281.691



27, 94.671, 302.569



6, 37.728, 297.670

Previews

White Background



This preview shows how the CIELCh color 93, 41.960, 95.802 looks on a white background.

Color Contrast Check

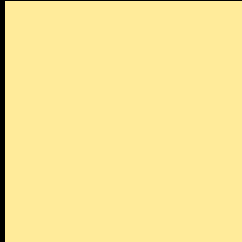
Large Text (above 18pt) WCAG AA × Fail

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, 41.960, 95.802 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, 41.960, 95.802

Background



This preview shows how black text looks on a background with the CIELCh color 93, 41.960, 95.802.



This preview shows how white text looks on a background with the CIELCh color 93, 41.960, 95.802.

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, 41.960, 95.802

Protanopia

93, 41.474, 95.723

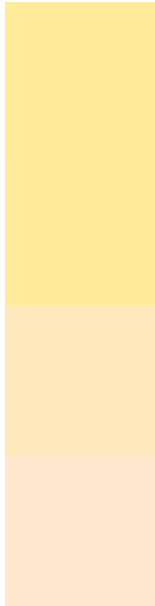
Deuteranopia

93, 14.897, 71.971



Tritanopia
93, 11.221, 349.888

Trichromacy



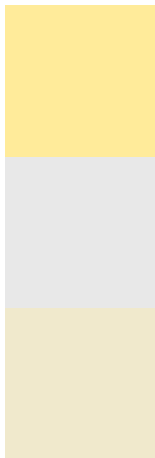
Original Color
93, 41.960, 95.802

Protanomaly
93, 41.474, 95.723

Deuteranomaly
93, 24.319, 86.905

Tritanomaly
93, 14.897, 71.971

Monochromacy



Original Color
93, 41.960, 95.802

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 15.133, 99.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 41.960, 95.802 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, 235, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 154)  
}
```

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, 235, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 41.960, 95.802 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, 235, 154) }
```

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

```
.border{ border-color:rgb(255, 235, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 41.960, 95.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 154) }
```

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

```
.background{ background-color: rgb(255,  
235, 154) }
```

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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