

Converting Colors

CIELCh(96, 81.864, 71.140)

Have a look what the booklet for
CIELCh(96, 81.864, 71.140) contains.

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Color

CIELCh(89, 67.732, 92.188)

Conversions

Conversions Part 1

Format	Color
Hex	FFDE58
RGB	255, 222, 88
RGB Percent	100%, 87%, 35%
CMY	0.0000, 0.1307, 0.6562
CMYK	0.00, 0.13, 0.66, 0.00
HSL	48°, 100%, 67%
HSV	48°, 66%, 100%
XYZ	69.2894, 74.1641, 19.8224
YIQ	216.5910, 62.6820, -34.6780

Conversions

Conversions Part 2

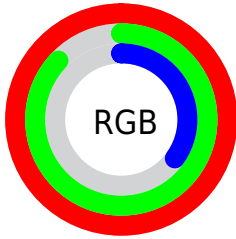
Format	Color
R _Y B	129, 255, 88
Decimal	16768600
CIE Lab	89.00, -2.59, 67.68
CIE LCh	89, 67.732, 92.188
Yxy	74.1641, 0.4244, 0.4542
Android (android.graphics.Color)	4294958680 (0xFFFFDE58)
YUV	216.5910, -63.3954, 33.6847
Hunter-Lab	86.1186, -7.0898, 46.6359

Details

The CIELCh color **89, 67.732, 92.188** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **55, 76.467, 293.108**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 55.386, 105.939**, and **69, 67.614, 92.369** is the 20% darker color. If you saturate the color by 10%, you get **87, 75.700, 91.149**, and if you desaturate by 10%, it is **90, 58.288, 93.720**.

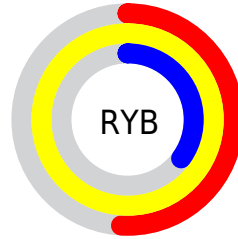
Distribution



Red (100%)

Green (87%)

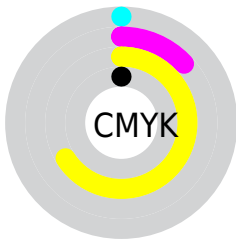
Blue (35%)



Red (51%)

Yellow (100%)

Blue (35%)

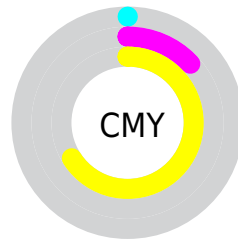


Cyan (0%)

Magenta (13%)

Yellow (66%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 67.732, 92.188 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 89, 67.732, 92.188 by changing the saturation by 10% instead.

 89, 67.732, 92.188

 89, 67.732, 92.188

 100, 67.732,
92.188

 79, 67.732, 92.188

 69, 67.732, 92.188

 59, 67.732, 92.188

 49, 67.732, 92.188

 39, 67.732, 92.188

 29, 67.732, 92.188

 19, 67.732, 92.188

 9, 67.732, 92.188

 0, 67.732, 92.188

89, 67.732, 92.188

89, 67.732, 92.188

87, 75.700, 91.149

90, 58.288, 93.720

86, 81.626, 89.788

92, 48.185, 94.979

85, 84.695, 88.297

94, 37.718, 96.223

84, 85.335, 87.603

95, 27.108, 97.446

97, 16.478, 98.640

99, 5.899, 99.785

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.



89, 67.732, 92.188



55, 76.467, 293.108

Rectangle

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



89, 67.732, 92.188



89, 67.732, 142.188



89, 67.732, 272.188



89, 67.732, 322.188

Sweetspot

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



89, 67.656, 92.448



96, 21.130, 98.122



61, 67.720, 14.660



51, 14.427, 97.785



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 67.656, 92.448



87, 77.982, 90.699



94, 81.544, 118.457



52, 5.981, 99.350



65, 68.838, 87.905



22, 30.487, 89.957

Inverse Universe

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



55, 76.467, 293.108



47, 93.960, 297.110



51, 95.516, 307.093



49, 6.051, 281.620



27, 94.549, 302.530



6, 37.683, 297.635

Previews

White Background



This preview shows how the CIELCh color 89, 67.732, 92.188 looks on a white background.

Color Contrast Check

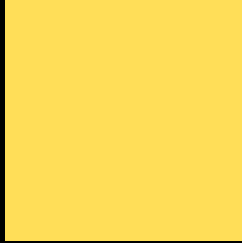
Large Text (above 18pt) WCAG AA × Fail

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 89, 67.732, 92.188 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 89, 67.732, 92.188

Background



This preview shows how black text looks on a background with the CIELCh color 89, 67.732, 92.188.



This preview shows how white text looks on a background with the CIELCh color 89, 67.732, 92.188.

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](#).

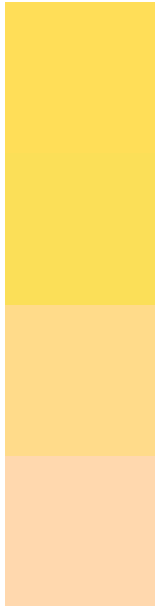
Dichromacy





Tritanopia
89, 16.897, 359.110

Trichromacy



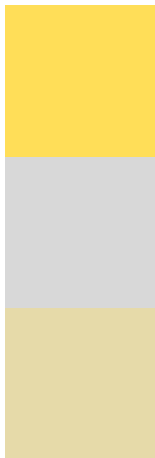
Original Color
89, 67.614, 92.572

Protanomaly
89, 67.528, 94.404

Deuteranomaly
89, 44.372, 87.089

Tritanomaly
89, 26.908, 73.327

Monochromacy



Original Color
89, 67.614, 92.572

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 25.872, 97.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 67.732, 92.188 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, 222, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 88)  
}
```

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, 222, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 67.732, 92.188 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, 222, 88) }
```

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

```
.border{ border-color:rgb(255, 222, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 67.732, 92.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 88) }
```

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

```
.background{ background-color: rgb(255,  
222, 88) }
```

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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