

Converting Colors

CIELCh(89, 62.522, 91.933)

Have a look what the booklet for
CIELCh(89, 62.522, 91.933) contains.

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Color

CIELCh(89, 62.609, 92.112)

Conversions

Conversions Part 1

Format	Color
Hex	FFDE64
RGB	255, 222, 100
RGB Percent	100%, 87%, 39%
CMY	0.0015, 0.1307, 0.6091
CMYK	0.00, 0.13, 0.61, 0.00
HSL	47°, 100%, 69%
HSV	47°, 61%, 100%
XYZ	69.4182, 74.1641, 22.6294
YIQ	217.9590, 58.8300, -30.9460

Conversions

Conversions Part 2

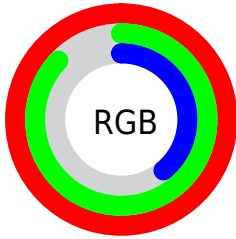
Format	Color
RYB	142, 255, 100
Decimal	16768612
CIELab	89.00, -2.31, 62.57
CIELCh	89, 62.609, 92.112
Yxy	74.1641, 0.4176, 0.4462
Android (android.graphics.Color)	4294958692 (0xFFFFDE64)
YUV	217.9590, -58.1538, 32.4850
Hunter-Lab	86.1186, -6.8229, 44.7034

Details

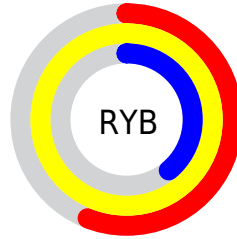
The CIELCh color **89, 62.609, 92.112** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **59, 68.982, 291.050**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.747, 106.373**, and **69, 62.396, 92.043** is the 20% darker color. If you saturate the color by 10%, you get **87, 71.360, 90.793**, and if you desaturate by 10%, it is **91, 52.885, 93.409**.

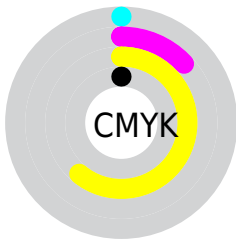
Distribution



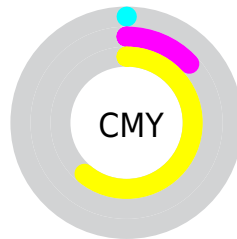
- Red (100%)
- Green (87%)
- Blue (39%)



- Red (56%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (13%)
- Yellow (61%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 62.609, 92.112 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, 62.609, 92.112 by changing the saturation by 10% instead.

89, 62.609, 92.112

89, 62.609, 92.112

100, 62.609,
92.112

79, 62.609, 92.112

69, 62.609, 92.112

59, 62.609, 92.112

49, 62.609, 92.112

39, 62.609, 92.112

29, 62.609, 92.112

19, 62.609, 92.112

9, 62.609, 92.112

0, 62.609, 92.112

89, 62.609, 92.112

89, 62.609, 92.112

87, 71.360, 90.793

91, 52.885, 93.409

86, 78.430, 89.413

92, 42.659, 94.684

85, 82.978, 87.914

94, 32.216, 95.938

83, 84.744, 86.388

96, 21.717, 97.165

98, 11.253, 98.354

100, 0.872, 99.305

100, 0.129,
204.550

Harmonies

Complementary

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



89, 62.609, 92.112



59, 68.982, 291.050

Rectangle

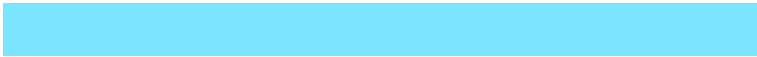
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 62.609, 92.112



89, 62.609, 142.112



89, 62.609, 272.112



89, 62.609, 322.112

Sweetspot

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



89, 62.609, 92.115



97, 18.746, 97.509



63, 62.860, 11.868



51, 13.041, 97.158



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, 62.609, 92.115



87, 73.132, 90.502



94, 76.294, 117.842



52, 5.897, 98.510



64, 68.435, 86.714



22, 30.197, 88.884

Inverse Universe

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



59, 68.982, 291.050



51, 84.530, 294.627



54, 88.409, 306.241



50, 5.960, 280.807



28, 93.144, 302.076



6, 37.172, 297.219

Previews

White Background



This preview shows how the CIELCh color 89, 62.609, 92.112 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, 62.609, 92.112 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, 62.609, 92.112

Background



This preview shows how black text looks on a background with the CIELCh color 89, 62.609, 92.112.



This preview shows how white text looks on a background with the CIELCh color 89, 62.609, 92.112.

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

89, 62.609, 92.112

Protanopia

89, 62.577, 95.662

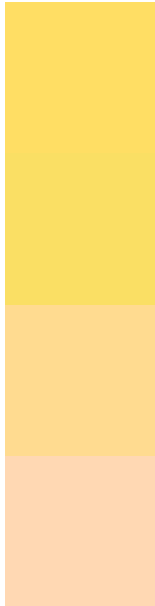
Deuteranopia

89, 29.538, 78.113



Tritanopia
89, 16.373, 0.293

Trichromacy



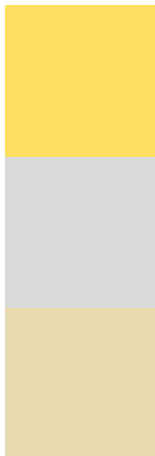
Original Color
89, 62.609, 92.112

Protanomaly
89, 62.421, 94.460

Deuteranomaly
89, 41.529, 86.083

Tritanomaly
89, 24.756, 70.298

Monochromacy



Original Color
89, 62.609, 92.112

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 23.317, 96.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 62.609, 92.112 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 62.609, 92.112 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, 100) }
```

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

```
.border{ border-color:rgb(255, 222, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 62.609, 92.112 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, 100) }
```

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

```
.background{ background-color: rgb(255,  
222, 100) }
```

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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