

Converting Colors

CIELCh(89, 74.618, 99.405)

Have a look what the booklet for
CIELCh(89, 74.618, 99.405) contains.

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Color

CIELCh(89, 74.618, 99.405)

Conversions

Conversions Part 1

Format	Color
Hex	F1E347
RGB	241, 227, 71
RGB Percent	95%, 89%, 28%
CMY	0.0545, 0.1094, 0.7212
CMYK	0.00, 0.06, 0.71, 0.05
HSL	55°, 86%, 61%
HSV	55°, 71%, 95%
XYZ	64.9455, 74.1641, 16.8702
YIQ	213.4020, 58.4200, -45.5480

Conversions

Conversions Part 2

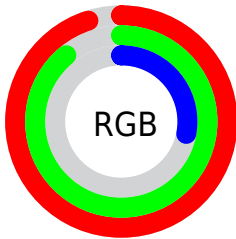
Format	Color
RYB	86, 241, 71
Decimal	15852359
CIELab	89.00, -12.19, 73.61
CIELCh	89, 74.618, 99.405
Yxy	74.1641, 0.4164, 0.4755
Android (android.graphics.Color)	4294042439 (0xFFFF1E347)
YUV	213.4020, -70.2042, 24.2034
Hunter-Lab	86.1186, -16.0936, 48.6684

Details

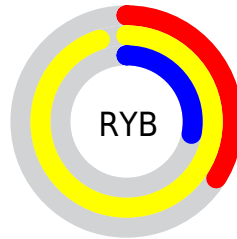
The CIELCh color **89, 74.618, 99.405** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **45, 91.484, 299.401**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.217, 105.416**, and **69, 72.254, 99.610** is the 20% darker color. If you saturate the color by 10%, you get **88, 81.408, 98.567**, and if you desaturate by 10%, it is **90, 65.978, 100.337**.

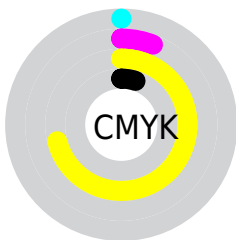
Distribution



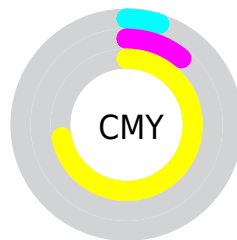
- Red (95%)
- Green (89%)
- Blue (28%)



- Red (34%)
- Yellow (95%)
- Blue (28%)



- Cyan (0%)
- Magenta (6%)
- Yellow (71%)
- Black (5%)



- Cyan (5%)
- Magenta (11%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 74.618, 99.405 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, 74.618, 99.405 by changing the saturation by 10% instead.

 89, 74.618, 99.405

 89, 74.618, 99.405

 100, 74.618,
99.405

 79, 74.618, 99.405

 69, 74.618, 99.405

 59, 74.618, 99.405

 49, 74.618, 99.405

 39, 74.618, 99.405

 29, 74.618, 99.405

 19, 74.618, 99.405

 9, 74.618, 99.405

 0, 74.618, 99.405

■ 89, 74.618, 99.405

■ 89, 74.618, 99.405

■ 88, 81.408, 98.567

■ 90, 65.978,
100.337

■ 88, 85.713, 97.827

■ 90, 56.120,
101.333

■ 87, 87.498, 97.198

■ 91, 45.524,
102.372

■ 92, 34.506,
103.433

■ 93, 23.266,
104.497

■ 94, 11.928,
105.548

■ 95, 0.566, 106.393

■ 96, 6.188, 284.643

Harmonies

Complementary

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



89, 74.618, 99.405



45, 91.484, 299.401

Rectangle

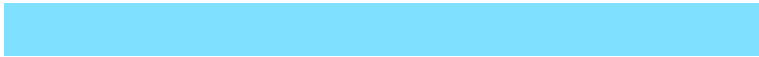
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 74.618, 99.405



89, 74.618, 149.405



89, 74.618, 279.405



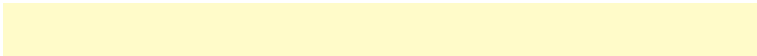
89, 74.618, 329.405

Sweetspot

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



89, 74.618, 99.407



98, 24.930, 104.438



56, 71.913, 25.149



52, 16.863, 104.144



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, 74.618, 99.407



93, 87.424, 98.204



88, 84.859, 123.240



50, 6.419, 105.656



68, 71.397, 97.302



21, 29.754, 98.581

Inverse Universe

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



45, 91.484, 299.401



39, 115.873, 302.975



48, 97.203, 310.274



46, 6.539, 287.696



23, 100.695, 305.245



3, 35.646, 297.275

Previews

White Background



This preview shows how the CIELCh color 89, 74.618, 99.405 looks on a white background.

Color Contrast Check

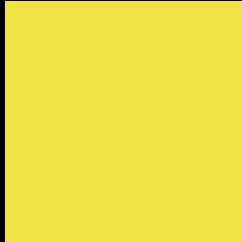
Large Text (above 18pt) WCAG AA × Fail

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, 74.618, 99.405 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, 74.618, 99.405

Background



This preview shows how black text looks on a background with the CIELCh color 89, 74.618, 99.405.



This preview shows how white text looks on a background with the CIELCh color 89, 74.618, 99.405.

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, 74.618, 99.405

Protanopia

89, 74.555, 95.396

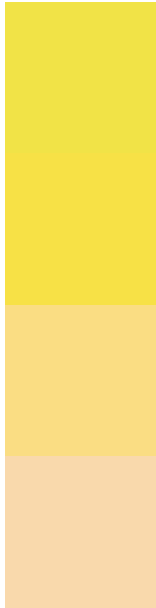
Deuteranopia

89, 30.916, 79.319



Tritanopia
89, 17.592, 350.672

Trichromacy



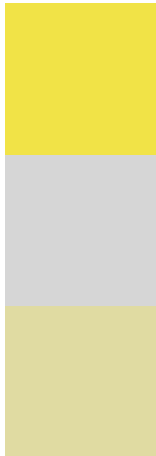
Original Color
89, 74.618, 99.405

Protanomaly
89, 74.646, 96.738

Deuteranomaly
89, 47.634, 91.683

Tritanomaly
88, 26.698, 79.886

Monochromacy



Original Color
89, 74.618, 99.405

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 29.575, 103.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 74.618, 99.405 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(241, 227, 71)` looks like.

```
.text, #text, p{  
    color:rgb(241, 227, 71)  
}
```

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(241, 227, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 227, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 74.618, 99.405 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(241, 227, 71) }
```

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

```
.border{ border-color:rgb(241, 227, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 227, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 227, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 227, 71);  
box-shadow:4px 4px 4px 4px rgb(241, 227,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 74.618, 99.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 227, 71) }
```

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

```
.background{ background-color: rgb(241,  
227, 71) }
```

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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