

Converting Colors

CIELCh(89, 89.109, 99.530)

Have a look what the booklet for
CIELCh(89, 89.109, 99.530) contains.

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Color

CIELCh(89, 89.032, 99.536)

Conversions

Conversions Part 1

Format	Color
Hex	F0E403
RGB	240, 228, 3
RGB Percent	94%, 89%, 1%
CMY	0.0580, 0.1051, 0.9891
CMYK	0.00, 0.05, 0.99, 0.06
HSL	57°, 98%, 48%
HSV	57°, 99%, 94%
XYZ	63.8211, 74.1641, 11.0300
YIQ	205.9380, 79.3770, -67.4310

Conversions

Conversions Part 2

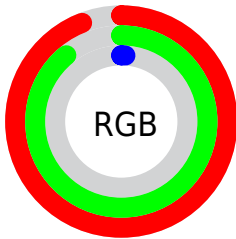
Format	Color
R _Y B	16, 240, 3
Decimal	15787011
CIE Lab	89.00, -14.75, 87.80
CIE LCh	89, 89.032, 99.536
Yxy	74.1641, 0.4283, 0.4977
Android (android.graphics.Color)	4293977091 (0xFFFF0E403)
YUV	205.9380, -100.0484, 29.8724
Hunter-Lab	86.1186, -18.4241, 52.6892

Details

The CIELCh color **89, 89.032, 99.536** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **31, 125.294, 305.757**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.517, 104.262**, and **69, 72.497, 100.703** is the 20% darker color. If you saturate the color by 10%, you get **89, 89.215, 99.488**, and if you desaturate by 10%, it is **89, 86.825, 100.005**.

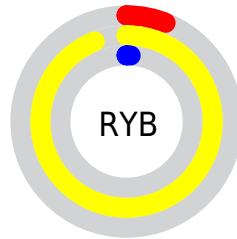
Distribution



Red (94%)

Green (89%)

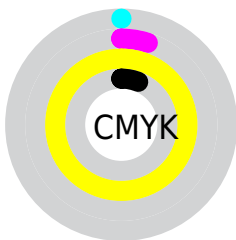
Blue (1%)



Red (6%)

Yellow (94%)

Blue (1%)

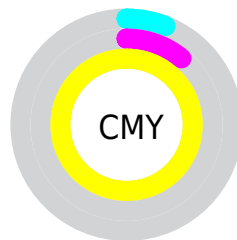


Cyan (0%)

Magenta (5%)

Yellow (99%)

Black (6%)



Cyan (6%)

Magenta (11%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 89.032, 99.536 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, 89.032, 99.536 by changing the saturation by 10% instead.

 89, 89.032, 99.536

 89, 89.032, 99.536

 100, 89.032,
99.536

 79, 89.032, 99.536

 69, 89.032, 99.536

 59, 89.032, 99.536

 49, 89.032, 99.536

 39, 89.032, 99.536

 29, 89.032, 99.536

 19, 89.032, 99.536

 9, 89.032, 99.536

 0, 89.032, 99.536

■ 89, 89.032, 99.536

■ 89, 89.032, 99.536

■ 89, 89.215, 99.488

■ 89, 86.825,
100.005

■ 90, 82.051,
100.603

■ 90, 74.875,
101.340

■ 91, 65.910,
102.192

■ 91, 55.758,
103.128

■ 92, 44.871,
104.117

■ 93, 33.555,
105.136

■ 93, 22.005,
106.163

■ 94, 10.341,
107.181

Harmonies

Complementary

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



89, 89.032, 99.536



31, 125.294, 305.757

Rectangle

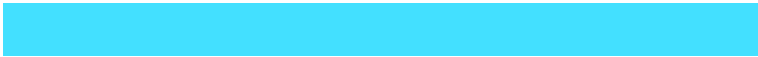
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 89.032, 99.536



89, 89.032, 149.536



89, 89.032, 279.536



89, 89.032, 329.536

Sweetspot

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



89, 89.031, 99.538



97, 36.603, 105.008



50, 96.646, 37.661



52, 24.905, 104.576



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, 89.031, 99.538



94, 93.331, 99.477



86, 101.879, 125.803



50, 6.630, 107.117



70, 72.976, 99.547



22, 30.583, 100.501

Inverse Universe

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



31, 125.294, 305.757



33, 131.817, 305.874



37, 120.675, 310.369



46, 6.765, 289.105



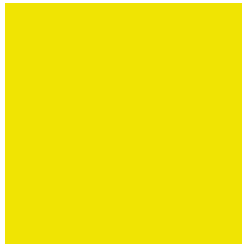
22, 102.260, 305.676



3, 36.477, 297.865

Previews

White Background



This preview shows how the CIELCh color 89, 89.032, 99.536 looks on a white background.

Color Contrast Check

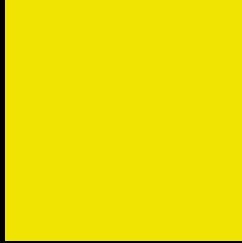
Large Text (above 18pt) WCAG AA × Fail

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, 89.032, 99.536 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, 89.032, 99.536

Background



This preview shows how black text looks on a background with the CIELCh color 89, 89.032, 99.536.



This preview shows how white text looks on a background with the CIELCh color 89, 89.032, 99.536.

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, 88.953, 99.540

Protanopia

89, 88.766, 94.989

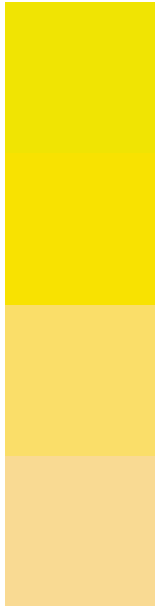
Deuteranopia

89, 31.842, 80.057



Tritanopia
89, 17.592, 350.672

Trichromacy



Original Color
89, 88.953, 99.540

Protanomaly
89, 88.915, 96.715

Deuteranomaly
89, 59.919, 93.835

Tritanomaly
88, 38.890, 88.079

Monochromacy



Original Color
89, 88.953, 99.540

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 42.258, 104.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 89.032, 99.536 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(240, 228, 3)` looks like.

```
.text, #text, p{  
    color:rgb(240, 228, 3)  
}
```

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(240, 228, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 228, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 89.032, 99.536 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(240, 228, 3) }
```

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

```
.border{ border-color:rgb(240, 228, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 228, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 228, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 228, 3);  
box-shadow:4px 4px 4px 4px rgb(240, 228,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 89.032, 99.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 228, 3) }
```

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

```
.background{ background-color: rgb(240,  
228, 3) }
```

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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