

Converting Colors

CIELCh(88, 75.053, 104.600)

Have a look what the booklet for
CIELCh(88, 75.053, 104.600)
contains.

CIELCh(88, 75.053, 104.600)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 75.053, 104.600)

Conversions

Conversions Part 1

Format	Color
Hex	E2E446
RGB	226, 228, 70
RGB Percent	89%, 89%, 27%
CMY	0.1139, 0.1060, 0.7257
CMYK	0.01, 0.00, 0.69, 0.11
HSL	61°, 75%, 58%
HSV	61°, 69%, 89%
XYZ	60.1845, 72.0653, 16.5246
YIQ	209.3900, 49.5260, -49.5620

Conversions

Conversions Part 2

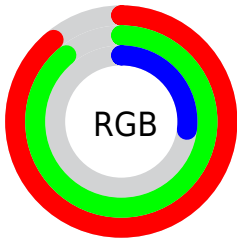
Format	Color
RYB	70, 228, 72
Decimal	14869574
CIELab	88.00, -18.92, 72.63
CIELCh	88, 75.053, 104.600
Yxy	72.0653, 0.4045, 0.4844
Android (android.graphics.Color)	4293059654 (0xFFE2E446)
YUV	209.3900, -68.7193, 14.5670
Hunter-Lab	84.8913, -22.0103, 47.8828

Details

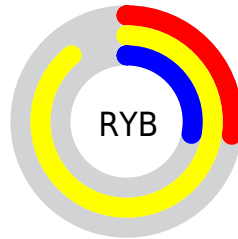
The CIELCh color **88, 75.053, 104.600** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **40, 93.622, 301.934**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 62.662, 105.382**, and **68, 72.525, 104.987** is the 20% darker color. If you saturate the color by 10%, you get **88, 81.997, 104.086**, and if you desaturate by 10%, it is **88, 66.313, 105.283**.

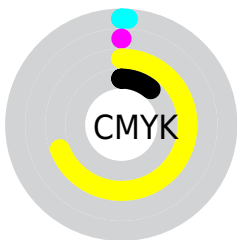
Distribution



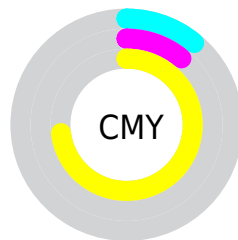
- Red (89%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (28%)



- Cyan (1%)
- Magenta (0%)
- Yellow (69%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 75.053, 104.600 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 88, 75.053, 104.600 by changing the saturation by 10% instead.

 88, 75.053,
104.600

 88, 75.053,
104.600

 100, 75.053,
104.600

 78, 75.053,
104.600

 68, 75.053,
104.600

 58, 75.053,
104.600

 48, 75.053,
104.600

 38, 75.053,
104.600

 28, 75.053,
104.600

 18, 75.053,


104.600


 8, 75.053, 104.600

 0, 75.053, 104.600


 88, 75.053,
104.600


 88, 75.053,
104.600

 88, 81.997,
104.086


 88, 66.313,
105.283

 88, 86.627,
103.772

 88, 56.330,
106.085

 88, 88.926,
103.657


 89, 45.545,
106.966

 88, 89.053,
103.651

 89, 34.267,
107.894


 90, 22.700,

108.844

 91, 10.975,
109.795

 91, 0.825, 290.823

 91, 12.642,
291.668

 91, 14.029,
292.128

Harmonies

Complementary

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



88, 75.053, 104.600



40, 93.622, 301.934

Rectangle

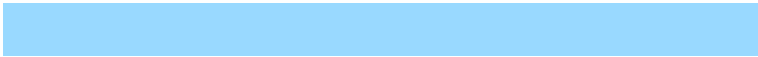
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 75.053, 104.600



88, 75.053, 154.600



88, 75.053, 284.600



88, 75.053, 334.600

Sweetspot

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



88, 75.053, 104.602



99, 27.013, 108.671



53, 70.332, 30.354



53, 18.258, 108.406



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 75.053, 104.602



97, 91.696, 103.928



83, 81.986, 126.306



48, 6.731, 109.781



70, 74.166, 103.639



20, 29.315, 104.368

Inverse Universe

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



40, 93.622, 301.934



37, 121.493, 304.654



47, 91.128, 312.430



44, 6.882, 291.641



21, 102.325, 306.326



2, 33.698, 297.081

Previews

White Background



This preview shows how the CIELCh color 88, 75.053, 104.600 looks on a white background.

Color Contrast Check

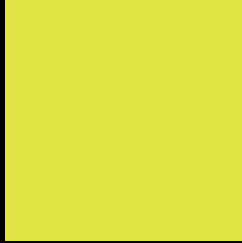
Large Text (above 18pt) WCAG AA × Fail

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 88, 75.053, 104.600 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 88, 75.053, 104.600

Background



This preview shows how black text looks on a background with the CIELCh color 88, 75.053, 104.600.



This preview shows how white text looks on a background with the CIELCh color 88, 75.053, 104.600.

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
88, 75.053, 104.600

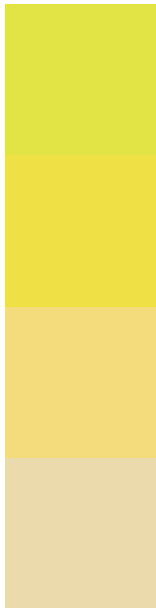
Protanopia
88, 74.155, 95.296

Deuteranopia
88, 35.098, 79.249



Tritanopia
88, 13.172, 338.083

Trichromacy



Original Color
88, 75.053, 104.600

Protanomaly
88, 74.254, 99.010

Deuteranomaly
88, 49.642, 93.935

Tritanomaly
87, 24.821, 92.550

Monochromacy



Original Color
88, 75.053, 104.600

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 30.100, 108.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 75.053, 104.600 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(226, 228, 70)` looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 70)  
}
```

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(226, 228, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 75.053, 104.600 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(226, 228, 70) }
```

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

```
.border{ border-color:rgb(226, 228, 70) }
```

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

Here you see how a box with a 4 pixel rgb(226, 228, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 228, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 228, 70);  
box-shadow:4px 4px 4px 4px rgb(226, 228,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 75.053, 104.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 70) }
```

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

```
.background{ background-color: rgb(226,  
228, 70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor