

Converting Colors

CIELCh(88, 87.618, 92.321)

Have a look what the booklet for
CIELCh(88, 87.618, 92.321) contains.

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Color

CIELCh(88, 87.521, 92.557)

Conversions

Conversions Part 1

Format	Color
Hex	FFDB06
RGB	255, 219, 6
RGB Percent	100%, 86%, 2%
CMY	0.0000, 0.1405, 0.9777
CMYK	0.00, 0.14, 0.98, 0.00
HSL	51°, 100%, 51%
HSV	51°, 98%, 100%
XYZ	66.7216, 72.0653, 10.5556
YIQ	205.4820, 89.8290, -58.6110

Conversions

Conversions Part 2

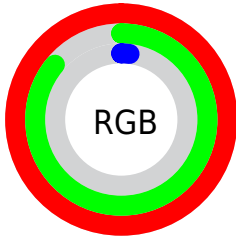
Format	Color
RYB	48, 255, 6
Decimal	16767750
CIELab	88.00, -3.90, 87.43
CIELCh	88, 87.521, 92.557
Yxy	72.0653, 0.4468, 0.4826
Android (android.graphics.Color)	4294957830 (0xFFFFDB06)
YUV	205.4820, -98.3446, 43.4273
Hunter-Lab	84.8913, -8.2649, 52.0516

Details

The CIELCh color **88, 87.521, 92.557** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **36, 123.212, 304.032**, 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 **68, 71.247, 92.446** is the 20% darker color. If you saturate the color by 10%, you get **88, 87.809, 92.366**, and if you desaturate by 10%, it is **89, 85.163, 93.722**.

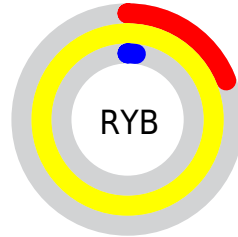
Distribution



Red (100%)

Green (86%)

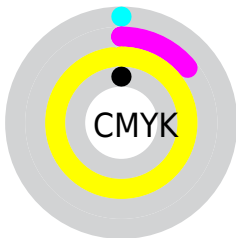
Blue (2%)



Red (19%)

Yellow (100%)

Blue (2%)

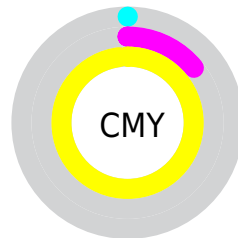


Cyan (0%)

Magenta (14%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 87.521, 92.557 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, 87.521, 92.557 by changing the saturation by 10% instead.

 88, 87.521, 92.557

 88, 87.521, 92.557

 100, 87.521,
92.557

 78, 87.521, 92.557

 68, 87.521, 92.557

 58, 87.521, 92.557

 48, 87.521, 92.557

 38, 87.521, 92.557

 28, 87.521, 92.557

 18, 87.521, 92.557

 8, 87.521, 92.557

 0, 87.521, 92.557

88, 87.521, 92.557

88, 87.521, 92.557

88, 87.809, 92.366

89, 85.163, 93.722

90, 79.938, 94.808

91, 72.322, 95.907

92, 63.078, 97.031

93, 52.849, 98.176

95, 42.070, 99.331

96, 31.016,
100.483

97, 19.847,
101.620

99, 8.661, 102.726

Harmonies

Complementary

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



88, 87.521, 92.557



36, 123.212, 304.032

Rectangle

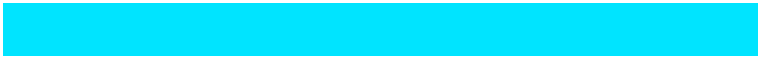
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 87.521, 92.557



88, 87.521, 142.557



88, 87.521, 272.557



88, 87.521, 322.557

Sweetspot

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



88, 87.503, 92.615



96, 32.380, 100.343



54, 95.648, 32.974



51, 22.198, 99.852



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, 87.503, 92.615



88, 87.809, 92.366



92, 103.421, 122.254



53, 6.338, 102.538



68, 70.825, 92.568



23, 31.763, 94.088

Inverse Universe

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



36, 123.212, 304.032



35, 125.214, 304.427



37, 127.914, 308.928



49, 6.436, 284.702



25, 99.671, 304.087



5, 39.556, 299.033

Previews

White Background



This preview shows how the CIELCh color 88, 87.521, 92.557 looks on a white background.

Color Contrast Check

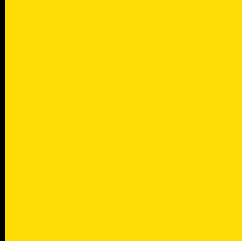
Large Text (above 18pt) WCAG AA × Fail

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, 87.521, 92.557 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, 87.521, 92.557

Background



This preview shows how black text looks on a background with the CIELCh color 88, 87.521, 92.557.



This preview shows how white text looks on a background with the CIELCh color 88, 87.521, 92.557.

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, 87.439, 92.554

Protanopia

88, 87.154, 94.885

Deuteranopia

88, 35.787, 80.471



Tritanopia
88, 17.839, 2.137

Trichromacy



Original Color
88, 87.439, 92.554

Protanomaly
88, 87.157, 94.000



Deuteranomaly
88, 61.180, 89.787



Tritanomaly
87, 40.911, 81.971

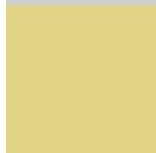
Monochromacy



Original Color
88, 87.439, 92.554



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 40.709, 99.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 87.521, 92.557 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, 219, 6)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 6)  
}
```

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, 219, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 87.521, 92.557 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, 219, 6) }
```

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

```
.border{ border-color:rgb(255, 219, 6) }
```

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

Here you see how a box with a 4 pixel rgb(255, 219, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 6);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 87.521, 92.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 6) }
```

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

```
.background{ background-color: rgb(255,  
219, 6) }
```

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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