

Converting Colors

CIELCh(87, 73.641, 94.256)

Have a look what the booklet for
CIELCh(87, 73.641, 94.256) contains.

CIELCh(87, 73.565, 94.520)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(87, 73.565, 94.520)

Conversions

Conversions Part 1

Format	Color
Hex	F6DA43
RGB	246, 218, 67
RGB Percent	96%, 85%, 26%
CMY	0.0361, 0.1458, 0.7380
CMYK	0.00, 0.11, 0.73, 0.04
HSL	51°, 91%, 61%
HSV	51°, 73%, 96%
XYZ	63.9662, 70.0064, 15.4205
YIQ	209.1580, 65.1590, -41.0250

Conversions

Conversions Part 2

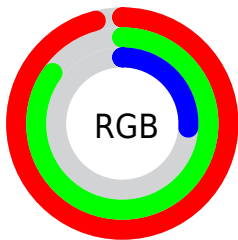
Format	Color
RYB	100, 246, 67
Decimal	16177731
CIELab	87.00, -5.80, 73.34
CIElCh	87, 73.565, 94.520
Yxy	70.0064, 0.4282, 0.4686
Android (android.graphics.Color)	4294367811 (0xFFFF6DA43)
YUV	209.1580, -70.0839, 32.3104
Hunter-Lab	83.6698, -9.9576, 47.6416

Details

The CIELCh color **87, 73.565, 94.520** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **47, 88.109, 297.135**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 63.989, 105.281**, and **67, 70.206, 94.178** is the 20% darker color. If you saturate the color by 10%, you get **86, 79.926, 93.378**, and if you desaturate by 10%, it is **88, 65.292, 95.673**.

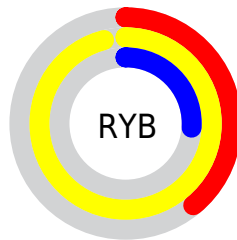
Distribution



Red (96%)

Green (85%)

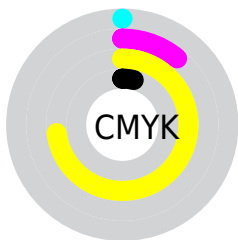
Blue (26%)



Red (39%)

Yellow (96%)

Blue (26%)

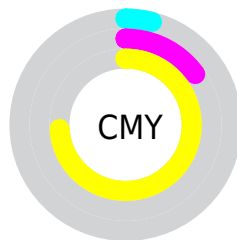


Cyan (0%)

Magenta (11%)

Yellow (73%)

Black (4%)



Cyan (4%)

Magenta (15%)

Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 73.565, 94.520 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 87, 73.565, 94.520 by changing the saturation by 10% instead.

 87, 73.565, 94.520

 87, 73.565, 94.520

 100, 73.565,
94.520

 77, 73.565, 94.520

 67, 73.565, 94.520

 57, 73.565, 94.520

 47, 73.565, 94.520

 37, 73.565, 94.520

 27, 73.565, 94.520

 17, 73.565, 94.520

 7, 73.565, 94.520

 0, 73.565, 94.520

87, 73.565, 94.520

87, 73.565, 94.520

86, 79.926, 93.378

88, 65.292, 95.673

85, 83.661, 92.210

89, 55.814, 96.838

84, 84.806, 91.338

91, 45.647, 98.011

92, 35.120, 99.183

93, 24.434,
100.343

95, 13.704,
101.478

96, 2.998, 102.548

98, 3.418, 274.237

99, 2.625, 229.882

Harmonies

Complementary

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



87, 73.565, 94.520



47, 88.109, 297.135

Rectangle

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



87, 73.565, 94.520



87, 73.565, 144.520



87, 73.565, 274.520



87, 73.565, 324.520

Sweetspot

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



87, 73.565, 94.523



97, 24.267, 100.432



56, 72.918, 19.824



51, 16.308, 100.119



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 73.565, 94.523



88, 84.218, 92.876



90, 86.345, 119.865



51, 6.049, 101.849



65, 68.936, 91.560



21, 29.146, 93.439

Inverse Universe

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



47, 88.109, 297.135



41, 109.731, 301.142



46, 102.253, 308.396



47, 6.138, 284.027



25, 96.499, 303.732



5, 35.580, 296.938

Previews

White Background



This preview shows how the CIELCh color 87, 73.565, 94.520 looks on a white background.

Color Contrast Check

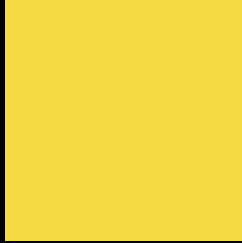
Large Text (above 18pt) WCAG AA × Fail

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 87, 73.565, 94.520 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 87, 73.565, 94.520

Background



This preview shows how black text looks on a background with the CIELCh color 87, 73.565, 94.520.



This preview shows how white text looks on a background with the CIELCh color 87, 73.565, 94.520.

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

87, 73.565, 94.520

Protanopia

87, 73.406, 95.185

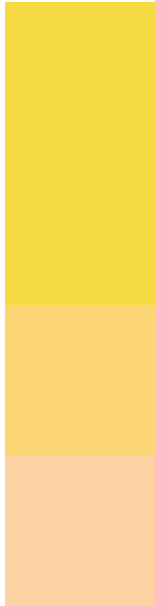
Deuteranopia

87, 39.060, 79.611



Tritanopia
87, 19.763, 359.371

Trichromacy



Original Color
87, 73.565, 94.520

Protanomaly
87, 73.484, 94.852

Deuteranomaly
87, 52.053, 87.486

Tritanomaly
87, 29.565, 73.342

Monochromacy



Original Color
87, 73.565, 94.520

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 28.931, 99.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 73.565, 94.520 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(246, 218, 67)` looks like.

```
.text, #text, p{  
    color:rgb(246, 218, 67)  
}
```

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(246, 218, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 218, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 73.565, 94.520 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(246, 218, 67) }
```

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

```
.border{ border-color:rgb(246, 218, 67) }
```

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

Here you see how a box with a 4 pixel rgb(246, 218, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 218, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 218, 67);  
box-shadow:4px 4px 4px 4px rgb(246, 218,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 73.565, 94.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 218, 67) }
```

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

```
.background{ background-color: rgb(246,  
218, 67) }
```

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