

Converting Colors

CIELCh(91, 49.461, 60.602)

Have a look what the booklet for
CIELCh(91, 49.461, 60.602) contains.

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Color

CIELCh(87, 37.470, 77.881)

Conversions

Conversions Part 1

Format	Color
Hex	FFD395
RGB	255, 211, 149
RGB Percent	100%, 83%, 58%
CMY	0.0000, 0.1737, 0.4170
CMYK	0.00, 0.17, 0.42, 0.00
HSL	35°, 100%, 79%
HSV	35°, 42%, 100%
XYZ	70.1390, 70.0064, 38.1134
YIQ	217.0880, 46.1260, -9.9540

Conversions

Conversions Part 2

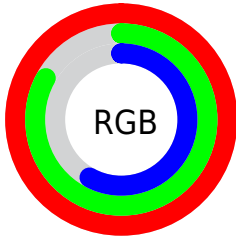
Format	Color
RYB	224, 255, 149
Decimal	16765845
CIELab	87.00, 7.87, 36.63
CIELCh	87, 37.470, 77.881
Yxy	70.0064, 0.3935, 0.3927
Android (android.graphics.Color)	4294955925 (0xFFFFD395)
YUV	217.0880, -33.5674, 33.2488
Hunter-Lab	83.6698, 3.2113, 31.5610

Details

The CIELCh color **87, 37.470, 77.881** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **77, 35.170, 271.352**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 25.735, 108.225**, and **67, 37.357, 79.209** is the 20% darker color. If you saturate the color by 10%, you get **84, 46.886, 76.862**, and if you desaturate by 10%, it is **90, 27.916, 79.687**.

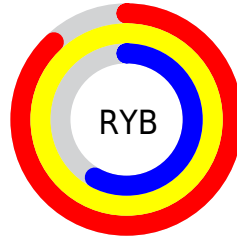
Distribution



Red (100%)

Green (83%)

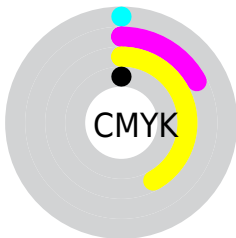
Blue (58%)



Red (88%)

Yellow (100%)

Blue (58%)

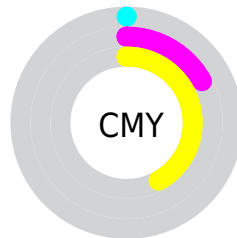


Cyan (0%)

Magenta (17%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 37.470, 77.881 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, 37.470, 77.881 by changing the saturation by 10% instead.

87, 37.470, 77.881

87, 37.470, 77.881

100, 37.470,
77.881

77, 37.470, 77.881

67, 37.470, 77.881

57, 37.470, 77.881

47, 37.470, 77.881

37, 37.470, 77.881

27, 37.470, 77.881

17, 37.470, 77.881

7, 37.470, 77.881

0, 37.470, 77.881

87, 37.470, 77.881

87, 37.470, 77.881

84, 46.886, 76.862

90, 27.916, 79.687

81, 56.477, 75.366

93, 18.793, 81.042

78, 65.713, 73.749

96, 9.960, 82.351

76, 73.916, 71.885

99, 1.412, 83.416

73, 80.051, 69.541

100, 0.012,
296.813

71, 83.197, 67.124

Harmonies

Complementary

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



87, 37.470, 77.881



77, 35.170, 271.352

Rectangle

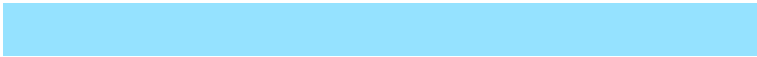
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 37.470, 77.881



87, 37.470, 127.881



87, 37.470, 257.881



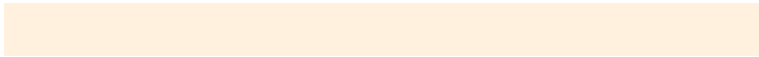
87, 37.470, 307.881

Sweetspot

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



87, 37.306, 78.295



96, 11.095, 82.184



74, 45.559, 353.124



50, 7.793, 81.898



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, 37.306, 78.295



84, 45.254, 77.109



97, 52.860, 109.950



52, 4.823, 82.627



55, 66.906, 67.784



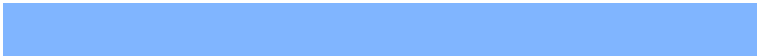
18, 27.261, 70.218

Inverse Universe

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



77, 35.170, 271.352



73, 42.224, 273.540



66, 58.933, 298.328



50, 4.773, 265.216



37, 68.489, 291.328



10, 27.549, 285.469

Previews

White Background



This preview shows how the CIELCh color 87, 37.470, 77.881 looks on a white background.

Color Contrast Check

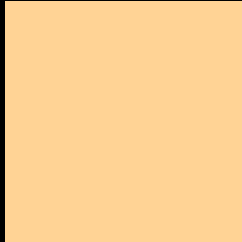
Large Text (above 18pt) WCAG AA × Fail

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, 37.470, 77.881 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, 37.470, 77.881

Background



This preview shows how black text looks on a background with the CIELCh color 87, 37.470, 77.881.



This preview shows how white text looks on a background with the CIELCh color 87, 37.470, 77.881.

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, 37.217, 78.446

Protanopia

87, 34.820, 95.915

Deuteranopia

87, 31.623, 72.937



Tritanopia
87, 19.607, 0.806

Trichromacy



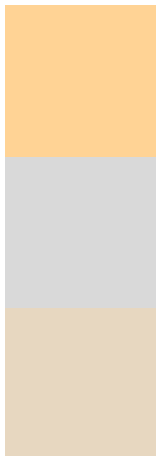
Original Color
87, 37.217, 78.446

Protanomaly
87, 35.028, 89.108

Deuteranomaly
87, 33.396, 74.668

Tritanomaly
87, 19.978, 41.884

Monochromacy



Original Color
87, 37.217, 78.446

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 13.455, 82.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 37.470, 77.881 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, 211, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 149)  
}
```

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, 211, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 37.470, 77.881 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, 211, 149) }
```

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

```
.border{ border-color:rgb(255, 211, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 37.470, 77.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 149) }
```

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

```
.background{ background-color: rgb(255,  
211, 149) }
```

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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