

Converting Colors

CIELCh(78, 72.870, 82.054)

Have a look what the booklet for
CIELCh(78, 72.870, 82.054) contains.

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Color

CIELCh(78, 72.838, 81.997)

Conversions

Conversions Part 1

Format	Color
Hex	F3B72D
RGB	243, 183, 45
RGB Percent	95%, 72%, 18%
CMY	0.0463, 0.2817, 0.8227
CMYK	0.00, 0.25, 0.81, 0.05
HSL	42°, 89%, 57%
HSV	42°, 81%, 95%
XYZ	54.4698, 53.2120, 9.9022
YIQ	185.2080, 80.0580, -30.1980

Conversions

Conversions Part 2

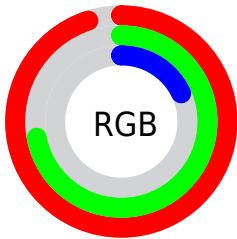
Format	Color
R _Y B	131, 243, 45
Decimal	15972141
CIE Lab	78.00, 10.14, 72.13
CIE LCh	78, 72.838, 81.997
Yxy	53.2120, 0.4632, 0.4525
Android (android.graphics.Color)	4294162221 (0xFFFF3B72D)
YUV	185.2080, -69.1225, 50.6836
Hunter-Lab	72.9466, 5.6310, 43.0142

Details

The CIELCh color **78, 72.838, 81.997** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **49, 80.514, 292.404**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 66.883, 99.115**, and **58, 64.479, 80.147** is the 20% darker color. If you saturate the color by 10%, you get **76, 77.684, 80.010**, and if you desaturate by 10%, it is **80, 65.721, 83.697**.

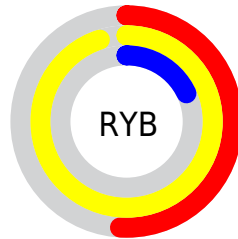
Distribution



Red (95%)

Green (72%)

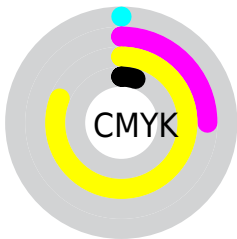
Blue (18%)



Red (51%)

Yellow (95%)

Blue (18%)

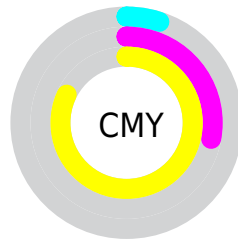


Cyan (0%)

Magenta (25%)

Yellow (81%)

Black (5%)



Cyan (5%)

Magenta (28%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 72.838, 81.997 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 78, 72.838, 81.997 by changing the saturation by 10% instead.

78, 72.838, 81.997

78, 72.838, 81.997

100, 72.838,
81.997

68, 72.838, 81.997

98, 72.838, 81.997

58, 72.838, 81.997

48, 72.838, 81.997

38, 72.838, 81.997

28, 72.838, 81.997

18, 72.838, 81.997

8, 72.838, 81.997

0, 72.838, 81.997

78, 72.838, 81.997

78, 72.838, 81.997

76, 77.684, 80.010

80, 65.721, 83.697

75, 79.815, 77.997

82, 57.234, 85.235

84, 48.056, 86.687

86, 38.602, 88.086

88, 29.104, 89.445

91, 19.682, 90.763

93, 10.394, 92.032

96, 1.267, 93.092

98, 3.528, 252.158

Harmonies

Complementary

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



78, 72.838, 81.997



49, 80.514, 292.404

Rectangle

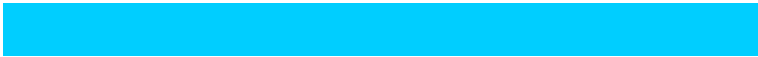
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 72.838, 81.997



78, 72.838, 131.997



78, 72.838, 261.997



78, 72.838, 311.997

Sweetspot

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



78, 72.837, 82.000



94, 22.975, 90.418



54, 76.104, 11.145



49, 15.829, 89.948



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 72.837, 82.000



78, 82.288, 78.404



91, 88.967, 113.015



50, 5.193, 92.269



58, 65.358, 78.473



18, 26.214, 81.278

Inverse Universe

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



49, 80.514, 292.404



43, 102.373, 298.246



38, 113.422, 306.257



48, 5.208, 274.722



30, 80.928, 298.216



7, 30.683, 292.262

Previews

White Background



This preview shows how the CIELCh color 78, 72.838, 81.997 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 78, 72.838, 81.997 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 78, 72.838, 81.997

Background



This preview shows how black text looks on a background with the CIELCh color 78, 72.838, 81.997.



This preview shows how white text looks on a background with the CIELCh color 78, 72.838, 81.997.

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


78, 72.838, 81.997

Protanopia

78, 70.777, 95.382

Deuteranopia

78, 72.838, 81.997



Tritanopia
78, 31.909, 9.956

Trichromacy



Original Color
78, 72.838, 81.997

Protanomaly
78, 71.028, 90.247

Deuteranomaly
78, 72.838, 81.997

Tritanomaly
78, 38.895, 54.860

Monochromacy



Original Color
78, 72.838, 81.997

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 28.305, 88.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 72.838, 81.997 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(243, 183, 45)` looks like.

```
.text, #text, p{  
    color:rgb(243, 183, 45)  
}
```

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(243, 183, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 183, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 72.838, 81.997 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(243, 183, 45) }
```

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

```
.border{ border-color:rgb(243, 183, 45) }
```

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

Here you see how a box with a 4 pixel rgb(243, 183, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 183, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 183, 45);  
box-shadow:4px 4px 4px 4px rgb(243, 183,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 72.838, 81.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 183, 45) }
```

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

```
.background{ background-color: rgb(243,  
183, 45) }
```

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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