

Converting Colors

CIELCh(78, 72.303, 88.786)

Have a look what the booklet for
CIELCh(78, 72.303, 88.786) contains.

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Color

CIELCh(78, 72.364, 88.909)

Conversions

Conversions Part 1

Format	Color
Hex	E6BD2B
RGB	230, 189, 43
RGB Percent	90%, 74%, 17%
CMY	0.0993, 0.2599, 0.8328
CMYK	0.00, 0.18, 0.81, 0.10
HSL	47°, 79%, 53%
HSV	47°, 81%, 90%
XYZ	51.0941, 53.2120, 9.8290
YIQ	184.6150, 71.3020, -36.7140

Conversions

Conversions Part 2

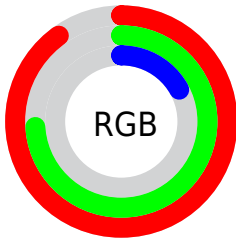
Format	Color
R _Y B	96, 230, 43
Decimal	15121707
CIE Lab	78.00, 1.38, 72.35
CIE LCh	78, 72.364, 88.909
Yxy	53.2120, 0.4477, 0.4662
Android (android.graphics.Color)	4293311787 (0xFFE6BD2B)
YUV	184.6150, -69.8162, 39.8026
Hunter-Lab	72.9466, -2.6293, 43.0737

Details

The CIELCh color **78, 72.364, 88.909** 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 **42, 86.843, 296.801**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 69.468, 101.293**, and **58, 63.100, 87.978** is the 20% darker color. If you saturate the color by 10%, you get **77, 76.549, 87.383**, and if you desaturate by 10%, it is **79, 65.872, 90.310**.

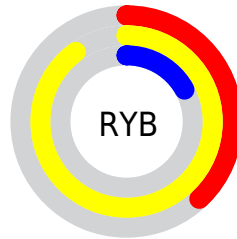
Distribution



Red (90%)

Green (74%)

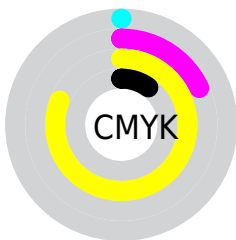
Blue (17%)



Red (38%)

Yellow (90%)

Blue (17%)

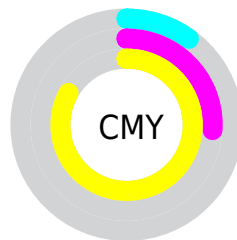


Cyan (0%)

Magenta (18%)

Yellow (81%)

Black (10%)



Cyan (10%)

Magenta (26%)

Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 72.364, 88.909 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, 72.364, 88.909 by changing the saturation by 10% instead.

 78, 72.364, 88.909

 78, 72.364, 88.909

 100, 72.364,
88.909

 68, 72.364, 88.909

 98, 72.364, 88.909

 58, 72.364, 88.909

 48, 72.364, 88.909

 38, 72.364, 88.909

 28, 72.364, 88.909

 18, 72.364, 88.909

 8, 72.364, 88.909

 0, 72.364, 88.909

 78, 72.364, 88.909

 78, 72.364, 88.909

77, 76.549, 87.383

79, 65.872, 90.310

76, 78.227, 85.933

81, 57.847, 91.643

82, 48.936, 92.943

84, 39.570, 94.222

86, 30.010, 95.478

87, 20.403, 96.707

89, 10.833, 97.898

91, 1.341, 98.937

93, 8.051, 280.217

Harmonies

Complementary

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



78, 72.364, 88.909



42, 86.843, 296.801

Rectangle

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



78, 72.364, 88.909



78, 72.364, 138.909



78, 72.364, 268.909



78, 72.364, 318.909

Sweetspot

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



78, 72.363, 88.912



95, 24.895, 96.378



51, 74.080, 18.045



50, 17.121, 95.938



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, 72.363, 88.912



83, 84.308, 86.168



85, 86.525, 117.065



47, 5.372, 98.127



60, 64.875, 86.253



17, 24.038, 89.059

Inverse Universe

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



42, 86.843, 296.801



39, 114.465, 301.831



37, 107.354, 307.558



45, 5.427, 280.410



26, 87.468, 301.721



4, 28.610, 291.926

Previews

White Background



This preview shows how the CIELCh color 78, 72.364, 88.909 looks on a white background.

Color Contrast Check

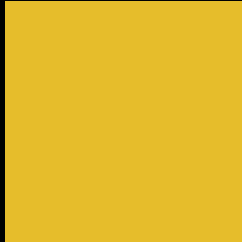
Large Text (above 18pt) WCAG AA × Fail

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, 72.364, 88.909 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, 72.364, 88.909

Background



This preview shows how black text looks on a background with the CIELCh color 78, 72.364, 88.909.



This preview shows how white text looks on a background with the CIELCh color 78, 72.364, 88.909.

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, 72.364, 88.909

Protanopia

78, 71.697, 95.011

Deuteranopia

78, 72.543, 81.940



Tritanopia
78, 24.943, 5.629

Trichromacy



Original Color
78, 72.364, 88.909

Protanomaly
78, 71.614, 92.462

Deuteranomaly
78, 72.239, 84.472

Tritanomaly
78, 33.781, 64.949

Monochromacy



Original Color
78, 72.364, 88.909

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 28.951, 95.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 72.364, 88.909 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(230, 189, 43)` looks like.

```
.text, #text, p{  
    color:rgb(230, 189, 43)  
}
```

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(230, 189, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 189, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 72.364, 88.909 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(230, 189, 43) }
```

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

```
.border{ border-color:rgb(230, 189, 43) }
```

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

Here you see how a box with a 4 pixel rgb(230, 189, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 189, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 189, 43);  
box-shadow:4px 4px 4px 4px rgb(230, 189,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 72.364, 88.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 189, 43) }
```

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

```
.background{ background-color: rgb(230,  
189, 43) }
```

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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