

Converting Colors

CIELCh(77, 72.025, 83.168)

Have a look what the booklet for
CIELCh(77, 72.025, 83.168) contains.

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Color

CIELCh(77, 72.063, 83.226)

Conversions

Conversions Part 1

Format	Color
Hex	EDB62B
RGB	237, 182, 43
RGB Percent	93%, 71%, 17%
CMY	0.0687, 0.2881, 0.8296
CMYK	0.00, 0.24, 0.82, 0.07
HSL	43°, 85%, 55%
HSV	43°, 82%, 93%
XYZ	52.1617, 51.5317, 9.5255
YIQ	182.5990, 77.3990, -31.5690

Conversions

Conversions Part 2

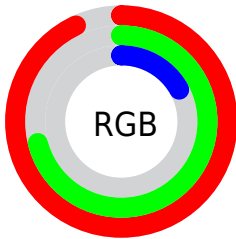
Format	Color
R _Y B	120, 237, 43
Decimal	15578667
CIE Lab	77.00, 8.50, 71.56
CIE LCh	77, 72.063, 83.226
Yxy	51.5317, 0.4607, 0.4552
Android (android.graphics.Color)	4293768747 (0xFFEDB62B)
YUV	182.5990, -68.8223, 47.7097
Hunter-Lab	71.7856, 4.0788, 42.3825

Details

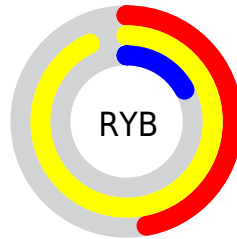
The CIELCh color **77, 72.063, 83.226** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **47, 81.097, 293.340**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 66.951, 98.736**, and **57, 63.283, 82.458** is the 20% darker color. If you saturate the color by 10%, you get **75, 76.654, 81.306**, and if you desaturate by 10%, it is **79, 65.196, 84.884**.

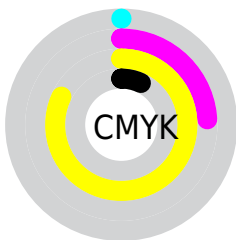
Distribution



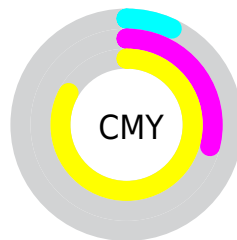
- Red (93%)
- Green (71%)
- Blue (17%)



- Red (47%)
- Yellow (93%)
- Blue (17%)



- Cyan (0%)
- Magenta (24%)
- Yellow (82%)
- Black (7%)



- Cyan (7%)
- Magenta (29%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 72.063, 83.226 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 77, 72.063, 83.226 by changing the saturation by 10% instead.

 77, 72.063, 83.226

 77, 72.063, 83.226

 100, 72.063,
83.226

 67, 72.063, 83.226

 97, 72.063, 83.226

 57, 72.063, 83.226

 47, 72.063, 83.226

 37, 72.063, 83.226

 27, 72.063, 83.226

 17, 72.063, 83.226

 7, 72.063, 83.226

 0, 72.063, 83.226

 77, 72.063, 83.226

 77, 72.063, 83.226

75, 76.654, 81.306

79, 65.196, 84.884

74, 78.590, 79.454

81, 56.923, 86.393

83, 47.916, 87.824

85, 38.595, 89.206

87, 29.198, 90.549

89, 19.850, 91.854

91, 10.617, 93.112

94, 1.525, 94.202

96, 6.351, 272.795

Harmonies

Complementary

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



77, 72.063, 83.226



47, 81.097, 293.340

Rectangle

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



77, 72.063, 83.226



77, 72.063, 133.226



77, 72.063, 263.226



77, 72.063, 313.226

Sweetspot

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



77, 72.062, 83.229



94, 24.284, 91.416



53, 75.028, 12.646



49, 16.608, 90.956



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 72.062, 83.229



79, 82.514, 79.807



89, 87.753, 113.853



49, 5.182, 93.383



58, 64.864, 79.894



17, 25.254, 82.731

Inverse Universe

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



47, 81.097, 293.340



42, 104.619, 298.969



37, 111.407, 306.515



47, 5.205, 275.806



29, 81.778, 298.908



6, 29.836, 292.035

Previews

White Background



This preview shows how the CIELCh color 77, 72.063, 83.226 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 77, 72.063, 83.226 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 77, 72.063, 83.226

Background



This preview shows how black text looks on a background with the CIELCh color 77, 72.063, 83.226.



This preview shows how white text looks on a background with the CIELCh color 77, 72.063, 83.226.

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

77, 72.175, 83.602

Protanopia

77, 70.323, 95.269

Deuteranopia

77, 72.289, 82.144



Tritanopia
77, 30.442, 9.186

Trichromacy



Original Color
77, 72.175, 83.602

Protanomaly
77, 70.704, 90.856

Deuteranomaly
77, 72.101, 82.467

Tritanomaly
77, 37.541, 57.153

Monochromacy



Original Color
77, 72.175, 83.602

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 28.222, 89.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 72.063, 83.226 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(237, 182, 43)` looks like.

```
.text, #text, p{  
    color:rgb(237, 182, 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(237, 182, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 182, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 72.063, 83.226 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(237, 182, 43) }
```

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

```
.border{ border-color:rgb(237, 182, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 182, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 182, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 182, 43);  
box-shadow:4px 4px 4px 4px rgb(237, 182,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 72.063, 83.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 182, 43) }
```

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

```
.background{ background-color: rgb(237,  
182, 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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