

Converting Colors

CIELCh(76, 77.931, 82.665)

Have a look what the booklet for
CIELCh(76, 77.931, 82.665) contains.

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Color

CIELCh(76, 78.038, 82.640)

Conversions

Conversions Part 1

Format	Color
Hex	EEB20C
RGB	238, 178, 12
RGB Percent	93%, 70%, 5%
CMY	0.0679, 0.3030, 0.9517
CMYK	0.00, 0.25, 0.95, 0.07
HSL	44°, 90%, 49%
HSV	44°, 95%, 93%
XYZ	51.0935, 49.8872, 7.2937
YIQ	177.0160, 89.0460, -38.9060

Conversions

Conversions Part 2

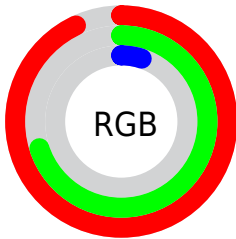
Format	Color
R _Y B	94, 238, 12
Decimal	15643148
CIE Lab	76.00, 10.00, 77.40
CIE LCh	76, 78.038, 82.640
Yxy	49.8872, 0.4719, 0.4607
Android (android.graphics.Color)	4293833228 (0xFFEEB20C)
YUV	177.0160, -81.3529, 53.4830
Hunter-Lab	70.6309, 5.5206, 43.3190

Details

The CIELCh color **76, 78.038, 82.640** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **39, 98.538, 298.890**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 72.127, 96.928**, and **56, 63.136, 79.975** is the 20% darker color. If you saturate the color by 10%, you get **75, 79.036, 81.554**, and if you desaturate by 10%, it is **78, 74.469, 84.548**.

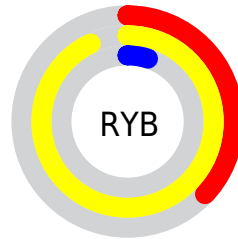
Distribution



Red (93%)

Green (70%)

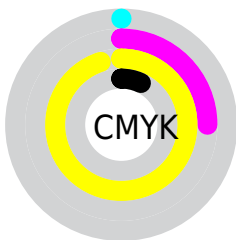
Blue (5%)



Red (37%)

Yellow (93%)

Blue (5%)

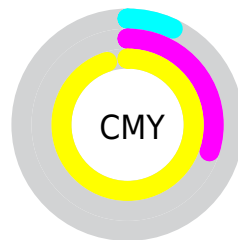


Cyan (0%)

Magenta (25%)

Yellow (95%)

Black (7%)



Cyan (7%)

Magenta (30%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 78.038, 82.640 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 76, 78.038, 82.640 by changing the saturation by 10% instead.

 76, 78.038, 82.640

 76, 78.038, 82.640

 100, 78.038,
82.640

 66, 78.038, 82.640

 96, 78.038, 82.640

 56, 78.038, 82.640

 46, 78.038, 82.640

 36, 78.038, 82.640

 26, 78.038, 82.640

 16, 78.038, 82.640

 6, 78.038, 82.640

 0, 78.038, 82.640

 76, 78.038, 82.640

 76, 78.038, 82.640

75, 79.036, 81.554

78, 74.469, 84.548

79, 68.338, 86.187

81, 60.473, 87.677

83, 51.623, 89.088

85, 42.292, 90.453

87, 32.780, 91.783

89, 23.250, 93.078

91, 13.791, 94.333

93, 4.446, 95.519

Harmonies

Complementary

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



76, 78.038, 82.640



39, 98.538, 298.890

Rectangle

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



76, 78.038, 82.640



76, 78.038, 132.640



76, 78.038, 262.640



76, 78.038, 312.640

Sweetspot

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



76, 78.037, 82.643



94, 27.819, 92.657



51, 82.691, 22.181



49, 19.246, 92.095



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 78.037, 82.643



80, 83.332, 81.460



88, 93.950, 116.239



49, 5.302, 94.981



59, 65.202, 81.958



18, 25.639, 84.738

Inverse Universe

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



39, 98.538, 298.890



40, 110.093, 300.547



33, 122.006, 307.468



47, 5.336, 277.364



28, 84.346, 299.918



6, 30.591, 292.874

Previews

White Background



This preview shows how the CIELCh color 76, 78.038, 82.640 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 76, 78.038, 82.640 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 76, 78.038, 82.640

Background



This preview shows how black text looks on a background with the CIELCh color 76, 78.038, 82.640.



This preview shows how white text looks on a background with the CIELCh color 76, 78.038, 82.640.

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

76, 78.155, 82.659

Protanopia

76, 75.819, 94.894

Deuteranopia

76, 77.978, 82.961



Tritanopia
76, 32.110, 10.071

Trichromacy



Original Color
76, 78.155, 82.659

Protanomaly
76, 76.061, 90.372

Deuteranomaly
76, 77.978, 82.961

Tritanomaly
76, 42.994, 60.495

Monochromacy



Original Color
76, 78.155, 82.659

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 33.575, 90.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 78.038, 82.640 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(238, 178, 12)` looks like.

```
.text, #text, p{  
    color:rgb(238, 178, 12)  
}
```

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(238, 178, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 178, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 78.038, 82.640 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(238, 178, 12) }
```

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

```
.border{ border-color:rgb(238, 178, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 178, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 178, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 178, 12);  
box-shadow:4px 4px 4px 4px rgb(238, 178,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 78.038, 82.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 178, 12) }
```

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

```
.background{ background-color: rgb(238,  
178, 12) }
```

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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