

Converting Colors

CIELCh(76, 76.637, 82.519)

Have a look what the booklet for
CIELCh(76, 76.637, 82.519) contains.

CIELCh(76, 76.532, 82.733)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(76, 76.532, 82.733)

Conversions

Conversions Part 1

Format	Color
Hex	EDB216
RGB	237, 178, 22
RGB Percent	93%, 70%, 9%
CMY	0.0707, 0.3020, 0.9139
CMYK	0.00, 0.25, 0.91, 0.07
HSL	44°, 86%, 51%
HSV	44°, 91%, 93%
XYZ	50.9744, 49.8872, 7.6991
YIQ	177.8570, 85.2400, -36.0080

Conversions

Conversions Part 2

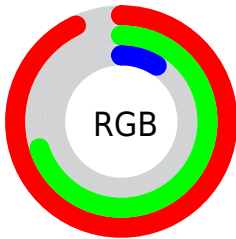
Format	Color
RYB	103, 237, 22
Decimal	15577622
CIELab	76.00, 9.68, 75.92
CIELCh	76, 76.532, 82.733
Yxy	49.8872, 0.4695, 0.4595
Android (android.graphics.Color)	4293767702 (0xFFEDB216)
YUV	177.8570, -76.8375, 51.8684
Hunter-Lab	70.6309, 5.2197, 42.9787

Details

The CIELCh color **76, 76.532, 82.733** 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 **41, 92.702, 297.159**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 70.962, 96.910**, and **56, 62.926, 80.362** is the 20% darker color. If you saturate the color by 10%, you get **75, 78.694, 80.772**, and if you desaturate by 10%, it is **78, 71.784, 84.557**.

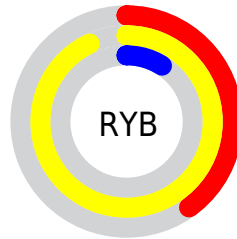
Distribution



Red (93%)

Green (70%)

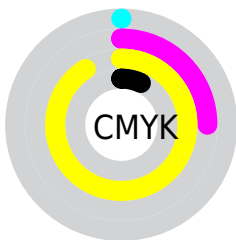
Blue (9%)



Red (40%)

Yellow (93%)

Blue (9%)

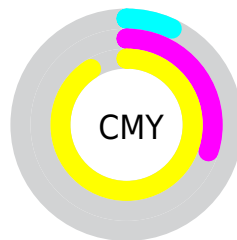


Cyan (0%)

Magenta (25%)

Yellow (91%)

Black (7%)



Cyan (7%)

Magenta (30%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 76.532, 82.733 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, 76.532, 82.733 by changing the saturation by 10% instead.

 76, 76.532, 82.733

 76, 76.532, 82.733

 100, 76.532,
82.733

 66, 76.532, 82.733

 96, 76.532, 82.733

 56, 76.532, 82.733

 46, 76.532, 82.733

 36, 76.532, 82.733

 26, 76.532, 82.733

 16, 76.532, 82.733

 6, 76.532, 82.733

 0, 76.532, 82.733

 76, 76.532, 82.733

 76, 76.532, 82.733

75, 78.694, 80.772

78, 71.784, 84.557

79, 64.819, 86.150

81, 56.484, 87.620

83, 47.427, 89.024

85, 38.052, 90.385

87, 28.591, 91.710

89, 19.169, 92.998

91, 9.848, 94.239

94, 0.657, 95.123

Harmonies

Complementary

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



76, 76.532, 82.733



41, 92.702, 297.159

Rectangle

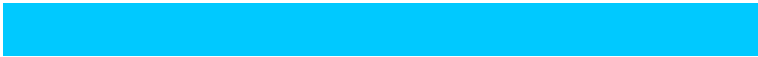
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 76.532, 82.733



76, 76.532, 132.733



76, 76.532, 262.733



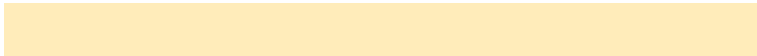
76, 76.532, 312.733

Sweetspot

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



76, 76.531, 82.736



94, 26.603, 92.181



51, 79.987, 18.480



49, 17.961, 91.736



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, 76.531, 82.736



80, 83.164, 80.669



88, 92.117, 115.071



48, 5.164, 94.392



58, 64.395, 81.211



17, 24.259, 84.097

Inverse Universe

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



41, 92.702, 297.159



41, 108.873, 300.191



34, 119.376, 307.235



46, 5.193, 276.784



28, 82.446, 299.516



5, 28.758, 291.401

Previews

White Background



This preview shows how the CIELCh color 76, 76.532, 82.733 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, 76.532, 82.733 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, 76.532, 82.733

Background



This preview shows how black text looks on a background with the CIELCh color 76, 76.532, 82.733.



This preview shows how white text looks on a background with the CIELCh color 76, 76.532, 82.733.

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, 76.532, 82.733

Protanopia

76, 74.624, 94.880

Deuteranopia

76, 76.532, 82.733



Tritanopia
76, 31.263, 10.620

Trichromacy



Original Color
76, 76.532, 82.733

Protanomaly
76, 74.756, 90.284

Deuteranomaly
76, 76.532, 82.733

Tritanomaly
75, 41.474, 59.514

Monochromacy



Original Color
76, 76.532, 82.733

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 31.895, 91.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 76.532, 82.733 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, 178, 22)` looks like.

```
.text, #text, p{  
    color:rgb(237, 178, 22)  
}
```

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, 178, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 178, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 76.532, 82.733 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, 178, 22) }
```

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

```
.border{ border-color:rgb(237, 178, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 178, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 178, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 178, 22);  
box-shadow:4px 4px 4px 4px rgb(237, 178,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 76.532, 82.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 178, 22) }
```

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

```
.background{ background-color: rgb(237,  
178, 22) }
```

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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