

Converting Colors

CIELCh(76, 60.895, 80.453)

Have a look what the booklet for
CIELCh(76, 60.895, 80.453) contains.

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Color

CIELCh(76, 60.745, 80.491)

Conversions

Conversions Part 1

Format	Color
Hex	EAB248
RGB	234, 178, 72
RGB Percent	92%, 70%, 28%
CMY	0.0817, 0.3014, 0.7171
CMYK	0.00, 0.24, 0.69, 0.08
HSL	39°, 80%, 60%
HSV	39°, 69%, 92%
XYZ	51.1080, 49.8872, 13.0906
YIQ	182.6600, 67.4020, -21.0940

Conversions

Conversions Part 2

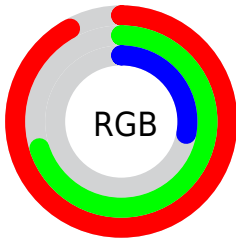
Format	Color
RYB	158, 234, 72
Decimal	15381064
CIELab	76.00, 10.04, 59.91
CIELCh	76, 60.745, 80.491
Yxy	49.8872, 0.4480, 0.4373
Android (android.graphics.Color)	4293571144 (0xFFEAB248)
YUV	182.6600, -54.5554, 45.0252
Hunter-Lab	70.6309, 5.5572, 38.4530

Details

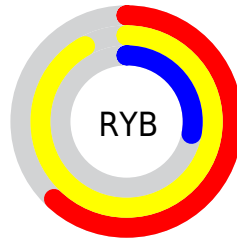
The CIELCh color **76, 60.745, 80.491** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **55, 61.200, 285.266**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 55.366, 96.719**, and **56, 60.832, 80.765** is the 20% darker color. If you saturate the color by 10%, you get **74, 68.267, 78.762**, and if you desaturate by 10%, it is **78, 52.222, 82.058**.

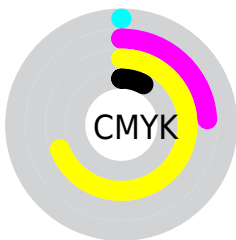
Distribution



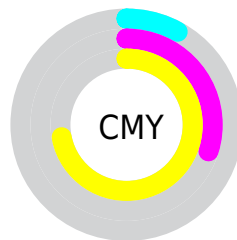
- Red (92%)
- Green (70%)
- Blue (28%)



- Red (62%)
- Yellow (92%)
- Blue (28%)



- Cyan (0%)
- Magenta (24%)
- Yellow (69%)
- Black (8%)



- Cyan (8%)
- Magenta (30%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 60.745, 80.491 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, 60.745, 80.491 by changing the saturation by 10% instead.

 76, 60.745, 80.491

 76, 60.745, 80.491

 100, 60.745,
80.491

 66, 60.745, 80.491

 96, 60.745, 80.491

 56, 60.745, 80.491

 46, 60.745, 80.491

 36, 60.745, 80.491

 26, 60.745, 80.491

 16, 60.745, 80.491

 6, 60.745, 80.491

 0, 60.745, 80.491

 76, 60.745, 80.491

 76, 60.745, 80.491

74, 68.267, 78.762

78, 52.222, 82.058

72, 73.931, 76.712

81, 43.272, 83.532

70, 77.115, 74.189

83, 34.220, 84.951

70, 77.341, 73.982

85, 25.237, 86.326

88, 16.407, 87.658

90, 7.763, 88.936

93, 0.687, 270.632

95, 6.837, 264.710

98, 6.077, 218.810

Harmonies

Complementary

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



76, 60.745, 80.491



55, 61.200, 285.266

Rectangle

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



76, 60.745, 80.491



76, 60.745, 130.491



76, 60.745, 260.491



76, 60.745, 310.491

Sweetspot

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



76, 60.745, 80.494



94, 19.282, 87.408



56, 66.008, 3.860



49, 13.092, 87.040



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, 60.745, 80.494



79, 75.650, 77.952



88, 77.301, 111.470



48, 4.807, 88.901



55, 63.793, 74.522



15, 23.182, 77.266

Inverse Universe

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



55, 61.200, 285.266



52, 79.924, 290.361



43, 94.765, 304.225



46, 4.800, 271.408



31, 74.034, 295.839



6, 26.424, 288.358

Previews

White Background



This preview shows how the CIELCh color 76, 60.745, 80.491 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 CIE LCh color 76, 60.745, 80.491 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, 60.745, 80.491

Background



This preview shows how black text looks on a background with the CIELCh color 76, 60.745, 80.491.



This preview shows how white text looks on a background with the CIELCh color 76, 60.745, 80.491.

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, 60.745, 80.491

Protanopia

76, 58.312, 95.567

Deuteranopia

76, 60.745, 80.491



Tritanopia
76, 29.740, 8.792

Trichromacy



Original Color
76, 60.745, 80.491

Protanomaly
76, 58.487, 89.809

Deuteranomaly
76, 60.745, 80.491

Tritanomaly
76, 33.127, 49.944

Monochromacy



Original Color
76, 60.745, 80.491

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 22.202, 85.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 60.745, 80.491 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(234, 178, 72)` looks like.

```
.text, #text, p{  
    color:rgb(234, 178, 72)  
}
```

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(234, 178, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 178, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 60.745, 80.491 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(234, 178, 72) }
```

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

```
.border{ border-color:rgb(234, 178, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 178, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 178, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 178, 72);  
box-shadow:4px 4px 4px 4px rgb(234, 178,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 60.745, 80.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 178, 72) }
```

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

```
.background{ background-color: rgb(234,  
178, 72) }
```

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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