

Converting Colors

CIELCh(76, 64.933, 82.580)

Have a look what the booklet for
CIELCh(76, 64.933, 82.580) contains.

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Color

CIELCh(76, 64.988, 82.432)

Conversions

Conversions Part 1

Format	Color
Hex	E9B33D
RGB	233, 179, 61
RGB Percent	91%, 70%, 24%
CMY	0.0864, 0.2981, 0.7609
CMYK	0.00, 0.23, 0.74, 0.09
HSL	41°, 80%, 58%
HSV	41°, 74%, 91%
XYZ	50.5534, 49.8872, 11.3764
YIQ	181.6940, 70.0620, -25.2500

Conversions

Conversions Part 2

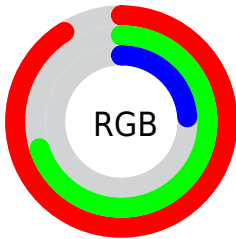
Format	Color
RYB	140, 233, 61
Decimal	15315773
CIELab	76.00, 8.56, 64.42
CIELCh	76, 64.988, 82.432
Yxy	49.8872, 0.4521, 0.4462
Android (android.graphics.Color)	4293505853 (0xFFE9B33D)
YUV	181.6940, -59.5021, 44.9954
Hunter-Lab	70.6309, 4.1555, 39.8919

Details

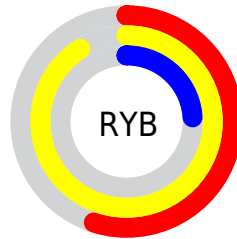
The CIELCh color **76, 64.988, 82.432** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **51, 68.656, 289.023**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 59.812, 97.389**, and **56, 62.410, 82.074** is the 20% darker color. If you saturate the color by 10%, you get **74, 71.520, 80.658**, and if you desaturate by 10%, it is **78, 56.987, 84.017**.

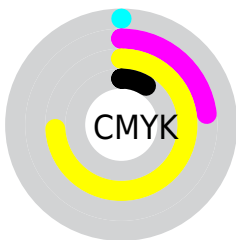
Distribution



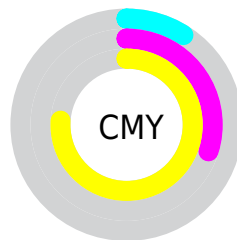
- Red (91%)
- Green (70%)
- Blue (24%)



- Red (55%)
- Yellow (91%)
- Blue (24%)



- Cyan (0%)
- Magenta (23%)
- Yellow (74%)
- Black (9%)



- Cyan (9%)
- Magenta (30%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 64.988, 82.432 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, 64.988, 82.432 by changing the saturation by 10% instead.

 76, 64.988, 82.432

 76, 64.988, 82.432

 100, 64.988,
82.432

 66, 64.988, 82.432

 96, 64.988, 82.432

 56, 64.988, 82.432

 46, 64.988, 82.432

 36, 64.988, 82.432

 26, 64.988, 82.432

 16, 64.988, 82.432

 6, 64.988, 82.432

 0, 64.988, 82.432

 76, 64.988, 82.432

 76, 64.988, 82.432

74, 71.520, 80.658

78, 56.987, 84.017

72, 75.700, 78.531

80, 48.232, 85.495

71, 77.175, 77.036

82, 39.166, 86.912

84, 30.039, 88.286

87, 20.983, 89.619

89, 12.060, 90.906

91, 3.297, 92.103

94, 5.298, 273.433

96, 6.545, 252.455

Harmonies

Complementary

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



76, 64.988, 82.432



51, 68.656, 289.023

Rectangle

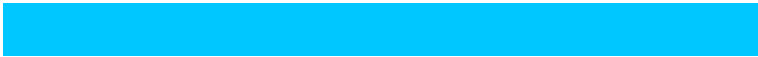
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 64.988, 82.432



76, 64.988, 132.432



76, 64.988, 262.432



76, 64.988, 312.432

Sweetspot

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



76, 64.987, 82.435



94, 20.815, 89.844



54, 68.865, 8.070



50, 14.021, 89.487



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, 64.987, 82.435



79, 79.456, 79.520



88, 81.002, 112.997



48, 4.961, 91.448



56, 63.934, 77.517



16, 23.620, 80.394

Inverse Universe

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



51, 68.656, 289.023



48, 90.787, 294.551



40, 100.389, 305.437



46, 4.970, 273.907



30, 77.840, 297.596



6, 27.509, 289.865

Previews

White Background



This preview shows how the CIELCh color 76, 64.988, 82.432 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, 64.988, 82.432 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, 64.988, 82.432

Background



This preview shows how black text looks on a background with the CIELCh color 76, 64.988, 82.432.



This preview shows how white text looks on a background with the CIELCh color 76, 64.988, 82.432.

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, 64.988, 82.432

Protanopia

76, 63.254, 95.356

Deuteranopia

76, 65.218, 81.236



Tritanopia
76, 29.357, 8.570

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 64.988, 82.432 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(233, 179, 61)` looks like.

```
.text, #text, p{  
    color:rgb(233, 179, 61)  
}
```

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(233, 179, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 179, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 64.988, 82.432 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(233, 179, 61) }
```

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

```
.border{ border-color:rgb(233, 179, 61) }
```

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

Here you see how a box with a 4 pixel rgb(233, 179, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 179, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 179, 61);  
box-shadow:4px 4px 4px 4px rgb(233, 179,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 64.988, 82.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 179, 61) }
```

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

```
.background{ background-color: rgb(233,  
179, 61) }
```

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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