

Converting Colors

CIELCh(76, 63.205, 82.479)

Have a look what the booklet for
CIELCh(76, 63.205, 82.479) contains.

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Color

CIELCh(76, 63.283, 82.451)

Conversions

Conversions Part 1

Format	Color
Hex	E8B341
RGB	232, 179, 65
RGB Percent	91%, 70%, 25%
CMY	0.0894, 0.2973, 0.7444
CMYK	0.00, 0.23, 0.72, 0.09
HSL	41°, 79%, 58%
HSV	41°, 72%, 91%
XYZ	50.4616, 49.8872, 11.9988
YIQ	181.8510, 68.1820, -24.2180

Conversions

Conversions Part 2

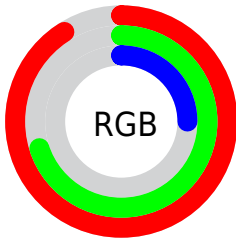
Format	Color
RYB	143, 232, 65
Decimal	15250241
CIELab	76.00, 8.31, 62.73
CIELCh	76, 63.283, 82.451
Yxy	49.8872, 0.4492, 0.4440
Android (android.graphics.Color)	4293440321 (0xFFE8B341)
YUV	181.8510, -57.6075, 43.9807
Hunter-Lab	70.6309, 3.9235, 39.3694

Details

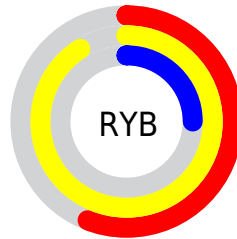
The CIELCh color **76, 63.283, 82.451** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **52, 66.191, 288.141**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 58.462, 97.332**, and **56, 62.218, 82.475** is the 20% darker color. If you saturate the color by 10%, you get **74, 70.166, 80.716**, and if you desaturate by 10%, it is **78, 55.104, 84.016**.

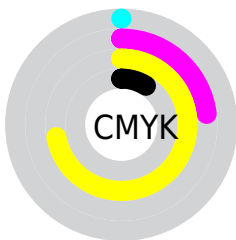
Distribution



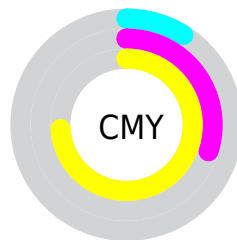
- Red (91%)
- Green (70%)
- Blue (25%)



- Red (56%)
- Yellow (91%)
- Blue (25%)



- Cyan (0%)
- Magenta (23%)
- Yellow (72%)
- Black (9%)



- Cyan (9%)
- Magenta (30%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 63.283, 82.451 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, 63.283, 82.451 by changing the saturation by 10% instead.

 76, 63.283, 82.451

 76, 63.283, 82.451

 100, 63.283,
82.451

 66, 63.283, 82.451

 96, 63.283, 82.451

 56, 63.283, 82.451

 46, 63.283, 82.451

 36, 63.283, 82.451

 26, 63.283, 82.451

 16, 63.283, 82.451

 6, 63.283, 82.451

 0, 63.283, 82.451

 76, 63.283, 82.451

 76, 63.283, 82.451

74, 70.166, 80.716

78, 55.104, 84.016

72, 74.876, 78.656

80, 46.288, 85.484

71, 76.956, 76.705

82, 37.230, 86.895

85, 28.151, 88.264

87, 19.162, 89.591

89, 10.319, 90.870

92, 1.642, 91.984

94, 6.866, 273.376

96, 6.586, 246.883

Harmonies

Complementary

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



76, 63.283, 82.451



52, 66.191, 288.141

Rectangle

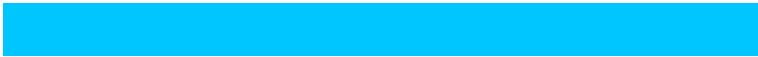
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 63.283, 82.451



76, 63.283, 132.451



76, 63.283, 262.451



76, 63.283, 312.451

Sweetspot

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



76, 63.283, 82.454



94, 20.748, 89.567



54, 67.411, 6.054



50, 13.976, 89.209



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, 63.283, 82.454



80, 77.944, 79.837



88, 79.148, 112.215



48, 4.943, 91.174



56, 63.908, 77.186



16, 23.568, 80.054

Inverse Universe

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



52, 66.191, 288.141



49, 86.950, 293.262



41, 97.742, 304.902



46, 4.950, 273.639



30, 77.422, 297.411



6, 27.392, 289.711

Previews

White Background



This preview shows how the CIELCh color 76, 63.283, 82.451 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, 63.283, 82.451 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, 63.283, 82.451

Background



This preview shows how black text looks on a background with the CIELCh color 76, 63.283, 82.451.



This preview shows how white text looks on a background with the CIELCh color 76, 63.283, 82.451.

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, 63.283, 82.451

Protanopia

76, 61.288, 95.280

Deuteranopia

76, 63.122, 81.126



Tritanopia
76, 28.563, 8.094

Trichromacy



Original Color
76, 63.283, 82.451

Protanomaly
76, 61.625, 90.664

Deuteranomaly
76, 62.921, 81.488

Tritanomaly
76, 32.972, 53.113

Monochromacy



Original Color
76, 63.283, 82.451

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 23.404, 88.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 63.283, 82.451 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(232, 179, 65)` looks like.

```
.text, #text, p{  
    color:rgb(232, 179, 65)  
}
```

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(232, 179, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 179, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 63.283, 82.451 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(232, 179, 65) }
```

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

```
.border{ border-color:rgb(232, 179, 65) }
```

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

Here you see how a box with a 4 pixel rgb(232, 179, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 179, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 179, 65);  
box-shadow:4px 4px 4px 4px rgb(232, 179,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 63.283, 82.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 179, 65) }
```

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

```
.background{ background-color: rgb(232,  
179, 65) }
```

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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