

Converting Colors

CIELCh(76, 45.161, 78.389)

Have a look what the booklet for
CIELCh(76, 45.161, 78.389) contains.

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Color

CIELCh(76, 45.177, 78.237)

Conversions

Conversions Part 1

Format	Color
Hex	E4B369
RGB	228, 179, 105
RGB Percent	89%, 70%, 41%
CMY	0.1049, 0.2971, 0.5874
CMYK	0.00, 0.21, 0.54, 0.10
HSL	36°, 70%, 65%
HSV	36°, 54%, 90%
XYZ	50.7974, 49.8872, 20.3733
YIQ	185.2150, 52.9580, -12.6260

Conversions

Conversions Part 2

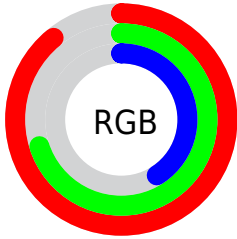
Format	Color
RYB	186, 228, 105
Decimal	14988137
CIELab	76.00, 9.21, 44.23
CIElCh	76, 45.177, 78.237
Yxy	49.8872, 0.4196, 0.4121
Android (android.graphics.Color)	4293178217 (0xFFE4B369)
YUV	185.2150, -39.5460, 37.5224
Hunter-Lab	70.6309, 4.7723, 32.3396

Details

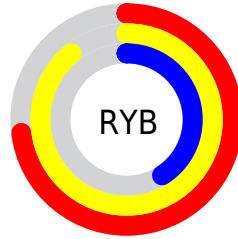
The CIELCh color **76, 45.177, 78.237** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **63, 42.709, 276.185**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 40.013, 95.468**, and **56, 45.159, 77.752** is the 20% darker color. If you saturate the color by 10%, you get **74, 53.876, 76.726**, and if you desaturate by 10%, it is **79, 36.394, 79.685**.

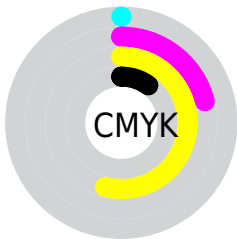
Distribution



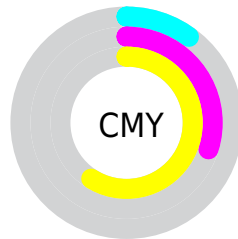
- Red (89%)
- Green (70%)
- Blue (41%)



- Red (73%)
- Yellow (89%)
- Blue (41%)



- Cyan (0%)
- Magenta (21%)
- Yellow (54%)
- Black (10%)



- Cyan (10%)
- Magenta (30%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 45.177, 78.237 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, 45.177, 78.237 by changing the saturation by 10% instead.

 76, 45.177, 78.237

 76, 45.177, 78.237

 100, 45.177,
78.237

 66, 45.177, 78.237

 96, 45.177, 78.237

 56, 45.177, 78.237

 46, 45.177, 78.237

 36, 45.177, 78.237

 26, 45.177, 78.237

 16, 45.177, 78.237

 6, 45.177, 78.237

 0, 45.177, 78.237

 76, 45.177, 78.237

 76, 45.177, 78.237

74, 53.876, 76.726

79, 36.394, 79.685

71, 62.105, 75.076

81, 27.724, 81.084

69, 69.185, 73.161

84, 19.258, 82.444

67, 74.163, 70.748

87, 11.029, 83.759

65, 76.196, 69.040

90, 3.044, 84.971

92, 4.709, 266.385

95, 7.885, 251.540

97, 8.186, 209.904

98, 9.103, 198.903

Harmonies

Complementary

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



76, 45.177, 78.237



63, 42.709, 276.185

Rectangle

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



76, 45.177, 78.237



76, 45.177, 128.237



76, 45.177, 258.237



76, 45.177, 308.237

Sweetspot

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



76, 45.177, 78.241



95, 13.935, 83.475



61, 52.925, 356.331



50, 9.438, 83.204



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, 45.177, 78.241



81, 59.969, 76.490



88, 61.315, 109.847



47, 4.494, 84.323



52, 63.336, 69.633



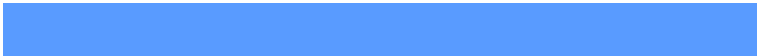
14, 21.371, 71.754

Inverse Universe

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



63, 42.709, 276.185



64, 56.634, 279.817



51, 71.230, 300.706



45, 4.459, 266.875



33, 66.882, 292.425



7, 23.361, 284.195

Previews

White Background



This preview shows how the CIELCh color 76, 45.177, 78.237 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, 45.177, 78.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

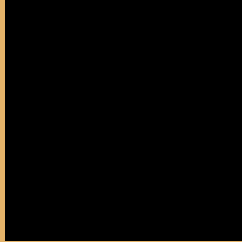
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 45.177, 78.237

Background



This preview shows how black text looks on a background with the CIELCh color 76, 45.177, 78.237.



This preview shows how white text looks on a background with the CIELCh color 76, 45.177, 78.237.

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, 45.177, 78.237

Protanopia

76, 42.787, 95.809

Deuteranopia

76, 45.406, 77.766



Tritanopia
76, 25.851, 6.283

Trichromacy



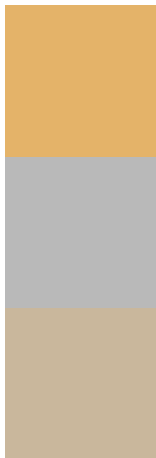
Original Color
76, 45.177, 78.237

Protanomaly
76, 43.146, 89.417

Deuteranomaly
76, 45.406, 77.766

Tritanomaly
76, 26.482, 42.352

Monochromacy



Original Color
76, 45.177, 78.237

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 16.205, 82.523

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 45.177, 78.237 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(228, 179, 105)` looks like.

```
.text, #text, p{  
    color:rgb(228, 179, 105)  
}
```

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(228, 179, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 179, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 45.177, 78.237 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(228, 179, 105) }
```

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

```
.border{ border-color:rgb(228, 179, 105) }
```

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

Here you see how a box with a 4 pixel rgb(228, 179, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 179, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 179, 105);  
box-shadow:4px 4px 4px 4px rgb(228, 179,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 45.177, 78.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 179, 105) }
```

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

```
.background{ background-color: rgb(228,  
179, 105) }
```

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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