

Converting Colors

CIELCh(76, 62.366, 113.675)

Have a look what the booklet for
CIELCh(76, 62.366, 113.675)
contains.

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Color

CIELCh(76, 62.464, 113.875)

Conversions

Conversions Part 1

Format	Color
Hex	AEC64B
RGB	174, 198, 75
RGB Percent	68%, 78%, 29%
CMY	0.3177, 0.2236, 0.7059
CMYK	0.12, 0.00, 0.62, 0.22
HSL	72°, 52%, 54%
HSV	72°, 62%, 78%
XYZ	38.9133, 49.8872, 14.2328
YIQ	176.8020, 25.1790, -43.3410

Conversions

Conversions Part 2

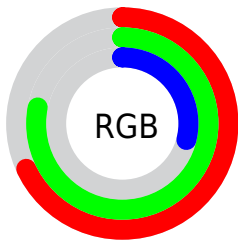
Format	Color
RYB	75, 198, 99
Decimal	11454027
CIELab	76.00, -25.28, 57.12
CIELCh	76, 62.464, 113.875
Yxy	49.8872, 0.3777, 0.4842
Android (android.graphics.Color)	4289644107 (0xFFAEC64B)
YUV	176.8020, -50.1884, -2.4574
Hunter-Lab	70.6309, -25.2616, 37.4941

Details

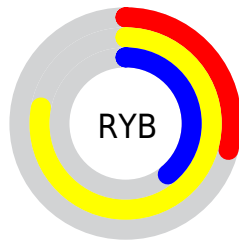
The CIELCh color **76, 62.464, 113.875** is a dark color, and the websafe version is hex **CCCC66**. The color can be described as middle muted chartreuse. A complement of this color would be **41, 73.753, 304.128**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 62.499, 113.893**, and **56, 62.318, 113.629** is the 20% darker color. If you saturate the color by 10%, you get **76, 70.173, 113.599**, and if you desaturate by 10%, it is **76, 53.592, 114.349**.

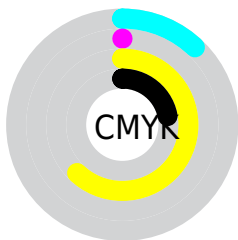
Distribution



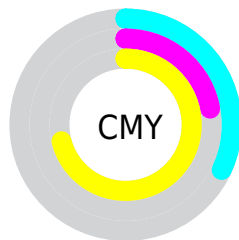
- Red (68%)
- Green (78%)
- Blue (29%)



- Red (29%)
- Yellow (78%)
- Blue (39%)



- Cyan (12%)
- Magenta (0%)
- Yellow (62%)
- Black (22%)





- Cyan (32%)
- Magenta (22%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 62.464, 113.875 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, 62.464, 113.875 by changing the saturation by 10% instead.


 76, 62.464,
113.875


 76, 62.464,
113.875


 100, 62.464,
113.875


 66, 62.464,
113.875


 96, 62.464,
113.875

 56, 62.464,
113.875

 46, 62.464,
113.875

 36, 62.464,
113.875

 26, 62.464,
113.875

 16, 62.464,
113.875

 6, 62.464, 113.875

0, 62.464, 113.875

76, 62.464,
113.875

76, 62.464,
113.875

76, 70.173,
113.599

76, 53.592,
114.349

75, 76.233,
113.603

77, 43.955,
114.941

75, 80.225,
113.975

78, 33.840,
115.600

75, 82.127,
114.491

78, 23.440,
116.289

79, 12.882,
116.984

80, 2.251, 117.669

■ 81, 8.394, 298.323

■ 81, 19.014,
298.953

■ 82, 29.578,
299.548

Harmonies

Complementary

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



76, 62.464, 113.875



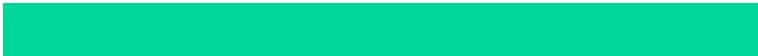
41, 73.753, 304.128

Rectangle

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



76, 62.464, 113.875



76, 62.464, 163.875



76, 62.464, 293.875



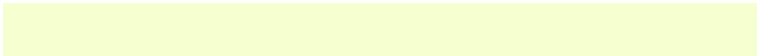
76, 62.464, 343.875

Sweetspot

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



76, 62.465, 113.877



98, 24.748, 116.487



53, 49.417, 39.399



52, 17.013, 116.285



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, 62.465, 113.877



95, 88.107, 113.561



73, 70.600, 132.161



42, 6.050, 117.173



63, 71.110, 114.340



13, 20.764, 117.305

Inverse Universe

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



41, 73.753, 304.128



44, 109.503, 305.820



48, 73.892, 317.632



39, 6.175, 298.478



20, 94.356, 307.280



2, 21.659, 296.876

Previews

White Background



This preview shows how the CIELCh color 76, 62.464, 113.875 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, 62.464, 113.875 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, 62.464, 113.875

Background



This preview shows how black text looks on a background with the CIELCh color 76, 62.464, 113.875.



This preview shows how white text looks on a background with the CIELCh color 76, 62.464, 113.875.

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, 62.464, 113.875

Protanopia

76, 59.249, 95.151

Deuteranopia

76, 56.577, 80.132



Tritanopia
76, 8.180, 298.517

Trichromacy



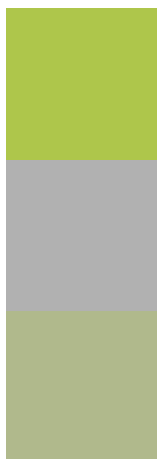
Original Color
76, 62.464, 113.875

Protanomaly
76, 59.588, 102.431

Deuteranomaly
76, 55.807, 93.075

Tritanomaly
76, 18.911, 116.747

Monochromacy



Original Color
76, 62.464, 113.875

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 24.378, 116.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 62.464, 113.875 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(174, 198, 75)` looks like.

```
.text, #text, p{  
    color:rgb(174, 198, 75)  
}
```

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(174, 198, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 198, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 62.464, 113.875 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(174, 198, 75) }
```

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

```
.border{ border-color:rgb(174, 198, 75) }
```

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

Here you see how a box with a 4 pixel rgb(174, 198, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 198, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 198, 75);  
box-shadow:4px 4px 4px 4px rgb(174, 198,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 62.464, 113.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 198, 75) }
```

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

```
.background{ background-color: rgb(174,  
198, 75) }
```

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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