

Converting Colors

CIELCh(75, 46.465, 127.020)

Have a look what the booklet for
CIELCh(75, 46.465, 127.020)
contains.

CIELCh(75, 46.533, 126.889)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 46.533, 126.889)

Conversions

Conversions Part 1

Format	Color
Hex	9CC572
RGB	156, 197, 114
RGB Percent	61%, 77%, 45%
CMY	0.3878, 0.2270, 0.5525
CMYK	0.21, 0.00, 0.42, 0.23
HSL	90°, 42%, 61%
HSV	90°, 42%, 77%
XYZ	36.7654, 48.2781, 23.3308
YIQ	175.2790, 2.2070, -34.5050

Conversions

Conversions Part 2

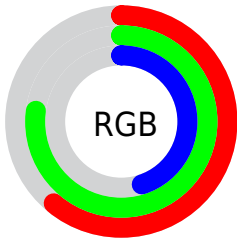
Format	Color
RYB	114, 197, 155
Decimal	10274162
CIELab	75.00, -27.93, 37.22
CIELCh	75, 46.533, 126.889
Yxy	48.2781, 0.3392, 0.4455
Android (android.graphics.Color)	4288464242 (0xFF9CC572)
YUV	175.2790, -30.2105, -16.9077
Hunter-Lab	69.4824, -27.1443, 28.7294

Details

The CIELCh color $75, 46.533, 126.889$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $55, 49.496, 310.985$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 46.611, 126.830$, and $55, 46.471, 126.849$ is the 20% darker color. If you saturate the color by 10%, you get $74, 56.914, 126.474$, and if you desaturate by 10%, it is $76, 35.720, 127.363$.

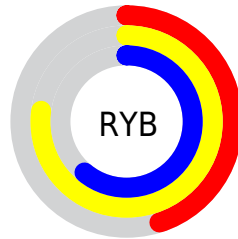
Distribution



Red (61%)

Green (77%)

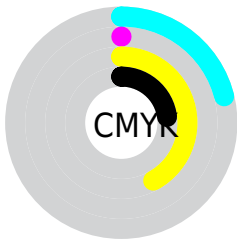
Blue (45%)



Red (45%)

Yellow (77%)

Blue (61%)

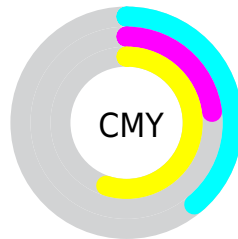


Cyan (21%)

Magenta (0%)

Yellow (42%)

Black (23%)



Cyan (39%)


Magenta (23%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 46.533, 126.889 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 75, 46.533, 126.889 by changing the saturation by 10% instead.


 75, 46.533,
126.889


 75, 46.533,
126.889


 100, 46.533,
126.889


 65, 46.533,
126.889


 95, 46.533,
126.889

 55, 46.533,
126.889

 45, 46.533,
126.889

 35, 46.533,
126.889

 25, 46.533,
126.889

 15, 46.533,
126.889

 5, 46.533, 126.889

0, 46.533, 126.889

75, 46.533,
126.889

75, 46.533,
126.889

74, 56.914,
126.474

76, 35.720,
127.363

73, 66.574,
126.179

77, 24.666,
127.849

73, 75.126,
126.103

78, 13.509,
128.327

72, 82.094,
126.367

79, 2.344, 128.816

72, 87.062,
127.090

81, 8.763, 309.170

71, 89.757,
127.917

82, 19.762,
309.557

83, 30.622,

309.903

■ 84, 33.121,
314.695

■ 85, 34.447,
319.993

Harmonies

Complementary

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



75, 46.533, 126.889



55, 49.496, 310.985

Rectangle

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



75, 46.533, 126.889



75, 46.533, 176.889



75, 46.533, 306.889



75, 46.533, 356.889

Sweetspot

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



75, 46.534, 126.890



98, 17.872, 128.276



67, 29.194, 68.485



52, 12.508, 128.170



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 46.534, 126.890



93, 68.681, 126.486



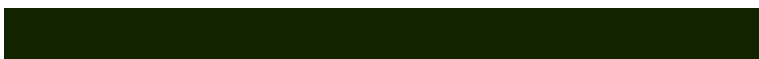
73, 53.818, 140.856



41, 6.367, 128.455



60, 77.855, 127.690



12, 22.821, 131.201

Inverse Universe

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



55, 49.496, 310.985



64, 74.240, 311.503



60, 53.751, 326.176



39, 6.455, 309.267



25, 89.386, 311.867



2, 22.343, 305.704

Previews

White Background



This preview shows how the CIELCh color 75, 46.533, 126.889 looks on a white background.

Color Contrast Check

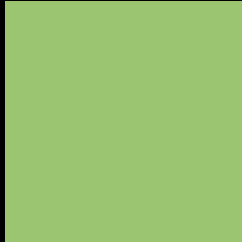
Large Text (above 18pt) WCAG AA × Fail

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 75, 46.533, 126.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

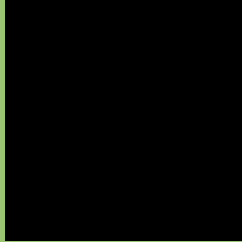
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 46.533, 126.889

Background



This preview shows how black text looks on a background with the CIELCh color 75, 46.533, 126.889.



This preview shows how white text looks on a background with the CIELCh color 75, 46.533, 126.889.

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

75, 46.533, 126.889

Protanopia

75, 40.446, 95.369

Deuteranopia

75, 36.766, 74.841



Tritanopia
75, 10.116, 252.524

Trichromacy



Original Color
75, 46.533, 126.889

Protanomaly
75, 41.023, 108.591

Deuteranomaly
75, 36.092, 97.299

Tritanomaly
75, 15.238, 150.377

Monochromacy



Original Color
75, 46.533, 126.889

Achromatopsia
71, 0.009, 296.813

Achromatomaly
73, 17.242, 128.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 46.533, 126.889 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(156, 197, 114)` looks like.

```
.text, #text, p{  
    color:rgb(156, 197, 114)  
}
```

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(156, 197, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 197, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 46.533, 126.889 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(156, 197, 114) }
```

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

```
.border{ border-color:rgb(156, 197, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 197, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 197, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 197, 114);  
box-shadow:4px 4px 4px 4px rgb(156, 197,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 46.533, 126.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 197, 114) }
```

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

```
.background{ background-color: rgb(156,  
197, 114) }
```

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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