

Converting Colors

CIELCh(75, 44.902, 106.235)

Have a look what the booklet for
CIELCh(75, 44.902, 106.235)
contains.

CIELCh(75, 44.942, 105.869)	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, 44.942, 105.869)

Conversions

Conversions Part 1

Format	Color
Hex	BDBD67
RGB	189, 189, 103
RGB Percent	74%, 74%, 40%
CMY	0.2582, 0.2582, 0.5955
CMYK	0.00, 0.00, 0.45, 0.26
HSL	60°, 40%, 57%
HSV	60°, 45%, 74%
XYZ	41.7077, 48.2781, 19.9883
YIQ	179.1960, 27.6060, -26.7460

Conversions

Conversions Part 2

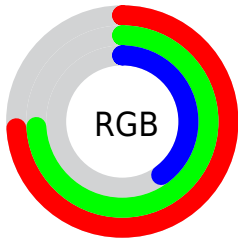
Format	Color
RYB	103, 189, 103
Decimal	12434791
CIELab	75.00, -12.29, 43.23
CIELCh	75, 44.942, 105.869
Yxy	48.2781, 0.3793, 0.4390
Android (android.graphics.Color)	4290624871 (0xFFBDBD67)
YUV	179.1960, -37.5646, 8.5981
Hunter-Lab	69.4824, -14.4474, 31.5815

Details

The CIELCh color $75, 44.942, 105.869$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $47, 50.731, 296.512$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 44.759, 105.636$, and $55, 44.866, 105.882$ is the 20% darker color. If you saturate the color by 10%, you get $75, 53.867, 105.019$, and if you desaturate by 10%, it is $75, 35.466, 106.786$.

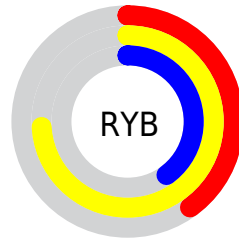
Distribution



Red (74%)

Green (74%)

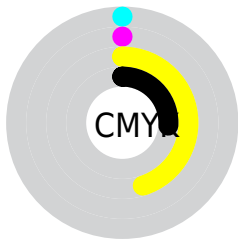
Blue (40%)



Red (40%)

Yellow (74%)

Blue (40%)

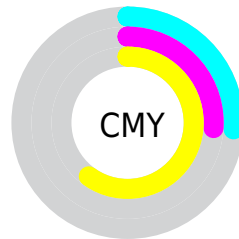


Cyan (0%)

Magenta (0%)

Yellow (45%)

Black (26%)



Cyan (26%)

Magenta (26%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 44.942, 105.869 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, 44.942, 105.869 by changing the saturation by 10% instead.

 75, 44.942,
105.869

 75, 44.942,
105.869


 100, 44.942,
105.869

 65, 44.942,
105.869


 95, 44.942,
105.869

 55, 44.942,
105.869

 45, 44.942,
105.869

 35, 44.942,
105.869

 25, 44.942,
105.869

 15, 44.942,
105.869

 5, 44.942, 105.869

■ 0, 44.942, 105.869

■ 75, 44.942,
105.869

■ 75, 44.942,
105.869

■ 75, 53.867,
105.019

■ 75, 35.466,
106.786

■ 75, 61.918,
104.262

■ 76, 25.653,
107.734

■ 75, 68.665,
103.640

■ 76, 15.648,
108.695

■ 74, 73.635,
103.189

■ 76, 5.542, 109.648

■ 74, 76.512,
102.932

■ 77, 4.606, 290.617

■ 74, 77.416,
102.852

■ 77, 14.756,
291.526

■ 78, 24.882,

292.411

■ 79, 34.963,
293.259

■ 79, 35.250,
293.283

Harmonies

Complementary

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



75, 44.942, 105.869



47, 50.731, 296.512

Rectangle

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



75, 44.942, 105.869



75, 44.942, 155.869



75, 44.942, 285.869



75, 44.942, 335.869

Sweetspot

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



75, 44.943, 105.872



96, 17.465, 108.815



54, 37.584, 24.187



51, 12.045, 108.608



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



75, 44.943, 105.872



94, 65.797, 104.987



72, 48.515, 126.962



40, 5.728, 109.282



63, 67.797, 102.852



11, 16.897, 107.644

Inverse Universe

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



47, 50.731, 296.512



53, 77.247, 298.627



51, 51.826, 311.351



36, 5.854, 291.138



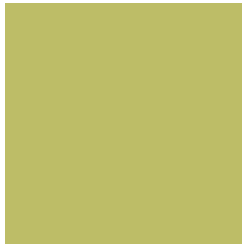
18, 93.616, 306.287



1, 17.439, 290.638

Previews

White Background



This preview shows how the CIELCh color 75, 44.942, 105.869 looks on a white background.

Color Contrast Check

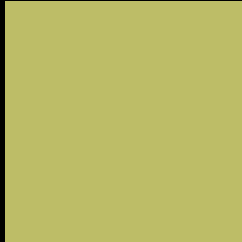
Large Text (above 18pt) WCAG AA × Fail

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, 44.942, 105.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

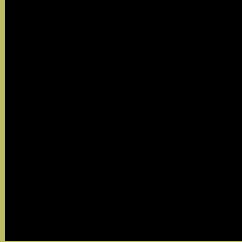
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 44.942, 105.869

Background



This preview shows how black text looks on a background with the CIELCh color 75, 44.942, 105.869.



This preview shows how white text looks on a background with the CIELCh color 75, 44.942, 105.869.

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, 44.942, 105.869

Protanopia

75, 44.355, 95.899

Deuteranopia

75, 43.479, 77.179



Tritanopia
75, 10.613, 334.938

Trichromacy



Original Color
75, 44.942, 105.869

Protanomaly
75, 44.795, 99.851

Deuteranomaly
75, 42.615, 87.929

Tritanomaly
75, 13.238, 88.083

Monochromacy



Original Color
75, 44.942, 105.869

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 17.204, 108.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 44.942, 105.869 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(189, 189, 103)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 103)  
}
```

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(189, 189, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 44.942, 105.869 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(189, 189, 103) }
```

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

```
.border{ border-color:rgb(189, 189, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 189, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 189, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 189, 103);  
box-shadow:4px 4px 4px 4px rgb(189, 189,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 44.942, 105.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 189, 103) }
```

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

```
.background{ background-color: rgb(189,  
189, 103) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor