

Converting Colors

CIELCh(75, 55.785, 105.227)

Have a look what the booklet for
CIELCh(75, 55.785, 105.227)
contains.

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Color

CIELCh(75, 55.673, 105.310)

Conversions

Conversions Part 1

Format	Color
Hex	BDBE51
RGB	189, 190, 81
RGB Percent	74%, 75%, 32%
CMY	0.2586, 0.2546, 0.6821
CMYK	0.01, 0.00, 0.57, 0.25
HSL	61°, 46%, 53%
HSV	61°, 57%, 75%
XYZ	40.9187, 48.2781, 14.9589
YIQ	177.2750, 34.3930, -34.1110

Conversions

Conversions Part 2

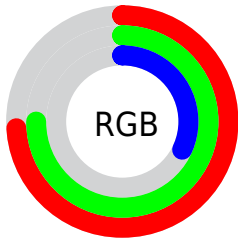
Format	Color
R_{YB}	81, 190, 82
Decimal	12435025
CIE Lab	75.00, -14.70, 53.70
CIE LCh	75, 55.673, 105.310
Yxy	48.2781, 0.3929, 0.4635
Android (android.graphics.Color)	4290625105 (0xFFBDBE51)
YUV	177.2750, -47.4636, 10.2828
Hunter-Lab	69.4824, -16.4743, 35.8731

Details

The CIELCh color **75, 55.673, 105.310** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **40, 65.744, 299.142**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 55.644, 105.385**, and **55, 55.734, 105.384** is the 20% darker color. If you saturate the color by 10%, you get **75, 63.544, 104.596**, and if you desaturate by 10%, it is **75, 46.853, 106.134**.

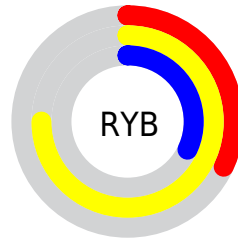
Distribution



Red (74%)

Green (75%)

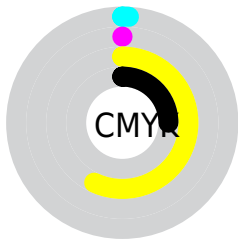
Blue (32%)



Red (32%)

Yellow (75%)

Blue (32%)

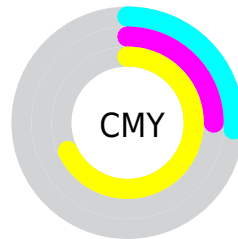


Cyan (1%)

Magenta (0%)

Yellow (57%)

Black (25%)



Cyan (26%)


Magenta (25%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 55.673, 105.310 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, 55.673, 105.310 by changing the saturation by 10% instead.


 75, 55.673,
105.310


 75, 55.673,
105.310


 100, 55.673,
105.310


 65, 55.673,
105.310


 95, 55.673,
105.310

 55, 55.673,
105.310

 45, 55.673,
105.310

 35, 55.673,
105.310

 25, 55.673,
105.310

 15, 55.673,
105.310

 5, 55.673, 105.310

0, 55.673, 105.310

75, 55.673,
105.310

75, 55.673,
105.310

75, 63.544,
104.596

75, 46.853,
106.134

75, 70.016,
104.027

75, 37.424,
107.025

75, 74.623,
103.644

76, 27.623,
107.955

75, 77.174,
103.459

76, 17.607,
108.902

75, 77.705,
103.423

77, 7.474, 109.844

77, 2.711, 290.807

78, 12.905,

291.700

■ 78, 23.077,
292.576

■ 79, 33.209,
293.417

Harmonies

Complementary

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



75, 55.673, 105.310



40, 65.744, 299.142

Rectangle

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



75, 55.673, 105.310



75, 55.673, 155.310



75, 55.673, 285.310



75, 55.673, 335.310

Sweetspot

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



75, 55.674, 105.312



96, 21.368, 108.909



49, 49.133, 26.718



52, 14.398, 108.716



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



75, 55.674, 105.312



95, 79.828, 104.422



71, 60.390, 126.517



40, 5.728, 109.657



63, 67.804, 103.415



11, 16.903, 108.226

Inverse Universe

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



40, 65.744, 299.142



44, 99.601, 301.884



45, 65.784, 311.950



36, 5.854, 291.484



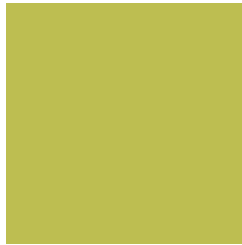
18, 93.565, 306.320



1, 17.440, 290.894

Previews

White Background



This preview shows how the CIELCh color 75, 55.673, 105.310 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 75, 55.673, 105.310 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, 55.673, 105.310

Background



This preview shows how black text looks on a background with the CIELCh color 75, 55.673, 105.310.



This preview shows how white text looks on a background with the CIELCh color 75, 55.673, 105.310.

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, 55.673, 105.310

Protanopia

75, 55.254, 95.752

Deuteranopia

75, 53.635, 79.990



Tritanopia
75, 11.156, 337.748

Trichromacy



Original Color
75, 55.673, 105.310

Protanomaly
75, 55.140, 99.438

Deuteranomaly
75, 52.757, 89.230

Tritanomaly
74, 17.089, 89.494

Monochromacy



Original Color
75, 55.673, 105.310

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 21.496, 109.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 55.673, 105.310 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, 190, 81)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 81)  
}
```

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, 190, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 55.673, 105.310 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, 190, 81) }
```

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

```
.border{ border-color:rgb(189, 190, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 190, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 81);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 55.673, 105.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 190, 81) }
```

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

```
.background{ background-color: rgb(189,  
190, 81) }
```

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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