

Converting Colors

CIELCh(72, 37.825, 105.644)

Have a look what the booklet for
CIELCh(72, 37.825, 105.644)
contains.

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Color

CIELCh(72, 37.734, 105.788)

Conversions

Conversions Part 1

Format	Color
Hex	B5B46D
RGB	181, 180, 109
RGB Percent	71%, 71%, 43%
CMY	0.2895, 0.2935, 0.5719
CMYK	0.00, 0.01, 0.40, 0.29
HSL	59°, 33%, 57%
HSV	59°, 40%, 71%
XYZ	38.2175, 43.6590, 20.9239
YIQ	172.2050, 23.3870, -21.8690

Conversions

Conversions Part 2

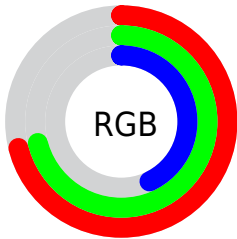
Format	Color
R _{YB}	110, 181, 109
Decimal	11908205
CIE Lab	72.00, -10.27, 36.31
CIE LCh	72, 37.734, 105.788
Yxy	43.6590, 0.3718, 0.4247
Android (android.graphics.Color)	4290098285 (0xFFB5B46D)
YUV	172.2050, -31.1601, 7.7132
Hunter-Lab	66.0750, -12.3876, 27.4772

Details

The CIELCh color $72, 37.734, 105.788$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $49, 41.652, 294.922$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 37.648, 105.932$, and $52, 37.327, 105.388$ is the 20% darker color. If you saturate the color by 10%, you get $72, 46.609, 104.880$, and if you desaturate by 10%, it is $72, 28.479, 106.743$.

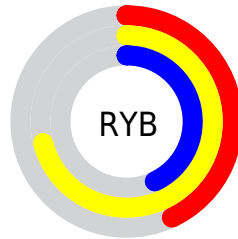
Distribution



Red (71%)

Green (71%)

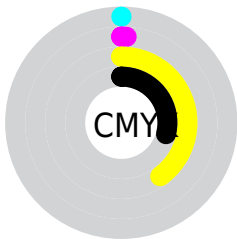
Blue (43%)



Red (43%)

Yellow (71%)

Blue (43%)

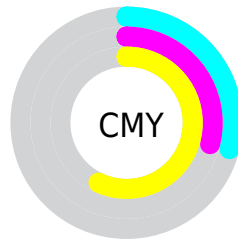


Cyan (0%)

Magenta (1%)

Yellow (40%)

Black (29%)



Cyan (29%)


Magenta (29%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 37.734, 105.788 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 72, 37.734, 105.788 by changing the saturation by 10% instead.


 72, 37.734,
105.788


 72, 37.734,
105.788


 100, 37.734,
105.788


 62, 37.734,
105.788


 92, 37.734,
105.788

 52, 37.734,
105.788

 42, 37.734,
105.788

 32, 37.734,
105.788

 22, 37.734,
105.788

 12, 37.734,
105.788

 2, 37.734, 105.788

■ 0, 37.734, 105.788

■ 72, 37.734,
105.788

■ 72, 37.734,
105.788

■ 72, 46.609,
104.880

■ 72, 28.479,
106.743

■ 71, 54.856,
104.036

■ 73, 19.000,
107.713

■ 71, 62.125,
103.295

■ 73, 9.401, 108.681

■ 74, 0.252, 289.904

■ 71, 67.967,
102.694

■ 74, 9.915, 290.591

■ 71, 71.944,
102.262

■ 75, 19.560,
291.494

■ 71, 74.152,
101.985

■ 76, 29.168,
292.363

■ 71, 74.203,
101.979

■ 76, 38.723,
293.193

■ 76, 39.066,
293.109

Harmonies

Complementary

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



72, 37.734, 105.788



49, 41.652, 294.922

Rectangle

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



72, 37.734, 105.788



72, 37.734, 155.788



72, 37.734, 285.788



72, 37.734, 335.788

Sweetspot

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



72, 37.735, 105.791



92, 14.272, 108.445



54, 31.007, 21.972



49, 9.457, 108.322



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



72, 37.735, 105.791



90, 55.568, 104.964



70, 40.982, 126.626



39, 5.523, 108.720



62, 66.312, 101.989



9, 14.849, 108.118

Inverse Universe

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



49, 41.652, 294.922



57, 63.242, 296.640



52, 43.470, 310.501



35, 5.641, 290.589



18, 91.811, 306.081



1, 15.225, 289.894

Previews

White Background



This preview shows how the CIELCh color 72, 37.734, 105.788 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 72, 37.734, 105.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

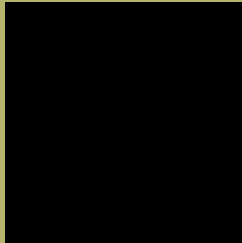
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 37.734, 105.788

Background



This preview shows how black text looks on a background with the CIELCh color 72, 37.734, 105.788.



This preview shows how white text looks on a background with the CIELCh color 72, 37.734, 105.788.

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


72, 37.734, 105.788

Protanopia

72, 37.109, 95.212

Deuteranopia

72, 36.578, 75.759



Tritanopia
72, 10.440, 333.462

Trichromacy



Original Color
72, 37.734, 105.788

Protanomaly
72, 37.605, 99.286

Deuteranomaly
72, 35.580, 87.059

Tritanomaly
72, 10.551, 80.223

Monochromacy



Original Color
72, 37.734, 105.788

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 14.107, 108.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 37.734, 105.788 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(181, 180, 109)` looks like.

```
.text, #text, p{  
    color:rgb(181, 180, 109)  
}
```

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(181, 180, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 180, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 37.734, 105.788 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(181, 180, 109) }
```

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

```
.border{ border-color:rgb(181, 180, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 180, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 180, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 180, 109);  
box-shadow:4px 4px 4px 4px rgb(181, 180,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 37.734, 105.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 180, 109) }
```

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

```
.background{ background-color: rgb(181,  
180, 109) }
```

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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