

Converting Colors

CIELCh(72, 66.552, 99.355)

Have a look what the booklet for
CIELCh(72, 66.552, 99.355) contains.

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Color

CIELCh(72, 66.605, 99.385)

Conversions

Conversions Part 1

Format	Color
Hex	BFB42B
RGB	191, 180, 43
RGB Percent	75%, 71%, 17%
CMY	0.2528, 0.2958, 0.8333
CMYK	0.00, 0.06, 0.78, 0.25
HSL	56°, 64%, 46%
HSV	56°, 78%, 75%
XYZ	38.0331, 43.6590, 8.6602
YIQ	167.6710, 50.5330, -40.2750

Conversions

Conversions Part 2

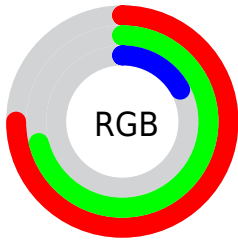
Format	Color
RYB	55, 191, 43
Decimal	12563499
CIELab	72.00, -10.86, 65.71
CIELCh	72, 66.605, 99.385
Yxy	43.6590, 0.4209, 0.4832
Android (android.graphics.Color)	4290753579 (0xFFBFB42B)
YUV	167.6710, -61.4628, 20.4595
Hunter-Lab	66.0750, -12.8858, 38.4816

Details

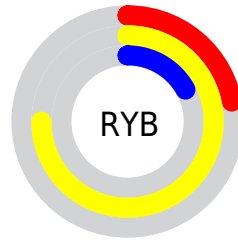
The CIELCh color **72, 66.605, 99.385** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **31, 84.480, 301.204**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 66.887, 99.404**, and **52, 58.200, 100.022** is the 20% darker color. If you saturate the color by 10%, you get **72, 71.040, 98.657**, and if you desaturate by 10%, it is **72, 60.327, 100.222**.

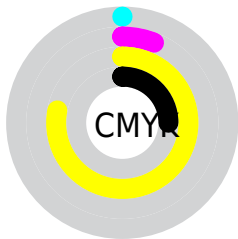
Distribution



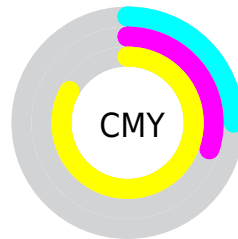
- Red (75%)
- Green (71%)
- Blue (17%)



- Red (22%)
- Yellow (75%)
- Blue (17%)



- Cyan (0%)
- Magenta (6%)
- Yellow (78%)
- Black (25%)



- Cyan (25%)
- Magenta (30%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 66.605, 99.385 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, 66.605, 99.385 by changing the saturation by 10% instead.

 72, 66.605, 99.385

 72, 66.605, 99.385

 100, 66.605,
99.385

 62, 66.605, 99.385

 92, 66.605, 99.385

 52, 66.605, 99.385

 42, 66.605, 99.385

 32, 66.605, 99.385

 22, 66.605, 99.385

 12, 66.605, 99.385

 2, 66.605, 99.385

 0, 66.605, 99.385

 72, 66.605, 99.385

 72, 66.605, 99.385

72, 71.040, 98.657

72, 60.327,
100.222

71, 73.375, 98.028

73, 52.736,
101.143

71, 73.799, 97.889

74, 44.298,
102.125

74, 35.350,
103.146

75, 26.112,
104.183

76, 16.724,
105.221

77, 7.272, 106.241

77, 2.193, 287.301

78, 11.636,
288.242

Harmonies

Complementary

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



72, 66.605, 99.385



31, 84.480, 301.204

Rectangle

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



72, 66.605, 99.385



72, 66.605, 149.385



72, 66.605, 279.385



72, 66.605, 329.385

Sweetspot

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



72, 66.605, 99.387



95, 26.845, 104.633



43, 65.335, 27.496



51, 18.711, 104.252



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 66.605, 99.387



90, 88.569, 98.222



71, 75.431, 123.342



40, 5.316, 106.075



60, 64.323, 97.963



10, 15.347, 103.428

Inverse Universe

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



31, 84.480, 301.204



34, 122.425, 304.687



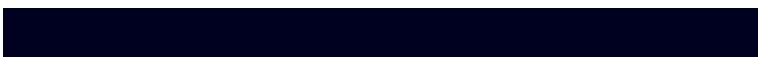
35, 87.499, 310.483



37, 5.416, 288.044



19, 90.050, 305.211



1, 16.504, 288.507

Previews

White Background



This preview shows how the CIELCh color 72, 66.605, 99.385 looks on a white background.

Color Contrast Check

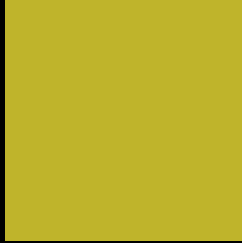
Large Text (above 18pt) WCAG AA × Fail

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 72, 66.605, 99.385 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, 66.605, 99.385

Background



This preview shows how black text looks on a background with the CIELCh color 72, 66.605, 99.385.



This preview shows how white text looks on a background with the CIELCh color 72, 66.605, 99.385.

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, 66.605, 99.385

Protanopia

72, 66.392, 95.434

Deuteranopia

72, 65.565, 81.511



Tritanopia
72, 14.699, 352.104

Trichromacy



Original Color
72, 66.605, 99.385

Protanomaly
72, 66.485, 97.014

Deuteranomaly
72, 65.257, 88.093

Tritanomaly
72, 25.130, 83.369

Monochromacy



Original Color
72, 66.605, 99.385

Achromatopsia
68, 0.008, 296.813

Achromatomaly
70, 27.088, 103.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 66.605, 99.385 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(191, 180, 43)` looks like.

```
.text, #text, p{  
    color:rgb(191, 180, 43)  
}
```

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(191, 180, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 180, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 66.605, 99.385 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(191, 180, 43) }
```

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

```
.border{ border-color:rgb(191, 180, 43) }
```

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

Here you see how a box with a 4 pixel rgb(191, 180, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 180, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 180, 43);  
box-shadow:4px 4px 4px 4px rgb(191, 180,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 66.605, 99.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 180, 43) }
```

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

```
.background{ background-color: rgb(191,  
180, 43) }
```

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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