

Converting Colors

CIELCh(72, 55.945, 115.828)

Have a look what the booklet for
CIELCh(72, 55.945, 115.828)
contains.

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Color

CIELCh(72, 55.945, 115.828)

Conversions

Conversions Part 1

Format	Color
Hex	A2BB50
RGB	162, 187, 80
RGB Percent	64%, 73%, 31%
CMY	0.3657, 0.2677, 0.6872
CMYK	0.13, 0.00, 0.57, 0.27
HSL	74°, 44%, 52%
HSV	74°, 57%, 73%
XYZ	34.0002, 43.6590, 14.1765
YIQ	167.3270, 19.4470, -38.5770

Conversions

Conversions Part 2

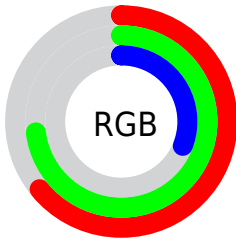
Format	Color
RYB	80, 187, 105
Decimal	10664784
CIELab	72.00, -24.37, 50.36
CIELCh	72, 55.945, 115.828
Yxy	43.6590, 0.3702, 0.4754
Android (android.graphics.Color)	4288854864 (0xFFA2BB50)
YUV	167.3270, -43.0522, -4.6718
Hunter-Lab	66.0750, -23.7805, 33.5317

Details

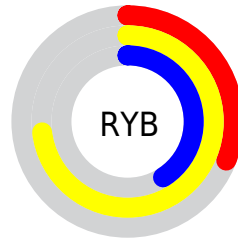
The CIELCh color **72, 55.945, 115.828** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **42, 64.490, 304.471**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 55.696, 115.718**, and **52, 56.027, 115.754** is the 20% darker color. If you saturate the color by 10%, you get **72, 63.994, 115.498**, and if you desaturate by 10%, it is **73, 47.007, 116.322**.

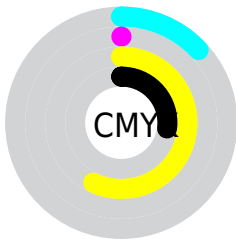
Distribution



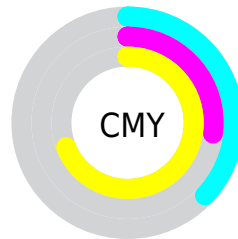
- Red (64%)
- Green (73%)
- Blue (31%)



- Red (31%)
- Yellow (73%)
- Blue (41%)



- Cyan (13%)
- Magenta (0%)
- Yellow (57%)
- Black (27%)





- Cyan (37%)
- Magenta (27%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 55.945, 115.828 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, 55.945, 115.828 by changing the saturation by 10% instead.


 72, 55.945,
115.828


 72, 55.945,
115.828


 100, 55.945,
115.828


 62, 55.945,
115.828


 92, 55.945,
115.828

 52, 55.945,
115.828

 42, 55.945,
115.828

 32, 55.945,
115.828

 22, 55.945,
115.828

 12, 55.945,
115.828

 2, 55.945, 115.828

0, 55.945, 115.828

72, 55.945,
115.828

72, 55.945,
115.828

72, 63.994,
115.498

73, 47.007,
116.322

71, 70.727,
115.413

73, 37.497,
116.908

71, 75.692,
115.673

74, 27.640,
117.540

70, 78.691,
116.332

74, 17.582,
118.189

70, 79.366,
116.533

75, 7.423, 118.834

76, 2.770, 299.448

77, 12.951,

300.052

■ 78, 23.084,
300.618

■ 79, 33.147,
301.150

Harmonies

Complementary

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



72, 55.945, 115.828



42, 64.490, 304.471

Rectangle

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



72, 55.945, 115.828



72, 55.945, 165.828



72, 55.945, 295.828



72, 55.945, 345.828

Sweetspot

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



72, 55.946, 115.830



94, 21.355, 118.190



53, 41.489, 43.032



50, 14.391, 118.059



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 55.946, 115.830



90, 80.298, 115.444



69, 63.665, 133.748



40, 5.818, 118.702



60, 70.117, 116.378



10, 17.604, 121.663

Inverse Universe

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



42, 64.490, 304.471



46, 96.651, 305.896



48, 65.775, 319.056



37, 5.935, 299.907



19, 91.675, 307.659



1, 17.584, 297.124

Previews

White Background



This preview shows how the CIELCh color 72, 55.945, 115.828 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, 55.945, 115.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

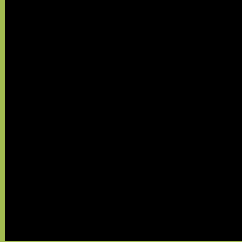
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 55.945, 115.828

Background



This preview shows how black text looks on a background with the CIELCh color 72, 55.945, 115.828.



This preview shows how white text looks on a background with the CIELCh color 72, 55.945, 115.828.

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, 55.945, 115.828

Protanopia
72, 52.333, 95.260

Deuteranopia
72, 49.785, 79.647



Tritanopia
72, 7.636, 288.214

Trichromacy



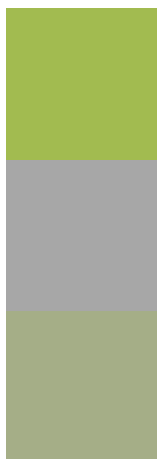
Original Color
72, 55.945, 115.828

Protanomaly
72, 52.773, 103.041

Deuteranomaly
72, 49.336, 93.962

Tritanomaly
72, 16.626, 120.852

Monochromacy



Original Color
72, 55.945, 115.828

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 21.471, 117.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 55.945, 115.828 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(162, 187, 80)` looks like.

```
.text, #text, p{  
    color:rgb(162, 187, 80)  
}
```

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(162, 187, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 187, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 55.945, 115.828 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(162, 187, 80) }
```

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

```
.border{ border-color:rgb(162, 187, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 187, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 187, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 187, 80);  
box-shadow:4px 4px 4px 4px rgb(162, 187,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 55.945, 115.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 187, 80) }
```

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

```
.background{ background-color: rgb(162,  
187, 80) }
```

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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