

Converting Colors

CIELCh(51, 24.869, 122.246)

Have a look what the booklet for
CIELCh(51, 24.869, 122.246)
contains.

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Color

CIELCh(51, 24.901, 122.234)

Conversions

Conversions Part 1

Format	Color
Hex	707F55
RGB	112, 127, 85
RGB Percent	44%, 50%, 33%
CMY	0.5609, 0.5021, 0.6668
CMYK	0.12, 0.00, 0.33, 0.50
HSL	81°, 20%, 42%
HSV	81°, 33%, 50%
XYZ	15.9018, 19.2686, 11.4692
YIQ	117.7270, 4.5420, -16.2420

Conversions

Conversions Part 2

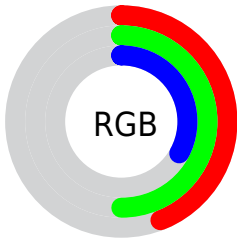
Format	Color
RYB	85, 127, 100
Decimal	7372629
CIELab	51.00, -13.28, 21.06
CIELCh	51, 24.901, 122.234
Yxy	19.2686, 0.3410, 0.4131
Android (android.graphics.Color)	4285562709 (0xFF707F55)
YUV	117.7270, -16.1344, -5.0226
Hunter-Lab	43.8960, -12.1544, 15.2359

Details

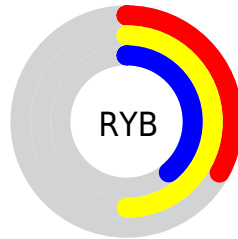
The CIELCh color $51, 24.901, 122.234$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $39, 26.419, 305.890$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 25.105, 122.553$, and $31, 25.041, 122.639$ is the 20% darker color. If you saturate the color by 10%, you get $50, 32.186, 121.738$, and if you desaturate by 10%, it is $52, 17.446, 122.758$.

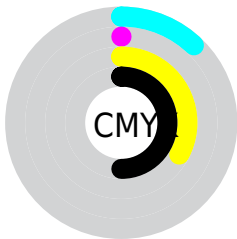
Distribution



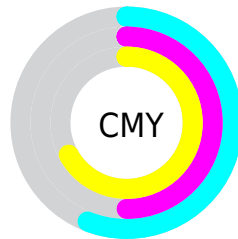
- Red (44%)
- Green (50%)
- Blue (33%)



- Red (33%)
- Yellow (50%)
- Blue (39%)



- Cyan (12%)
- Magenta (0%)
- Yellow (33%)
- Black (50%)





- Cyan (56%)
- Magenta (50%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 24.901, 122.234 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 51, 24.901, 122.234 by changing the saturation by 10% instead.


 51, 24.901,
122.234


 51, 24.901,
122.234


 100, 24.901,
122.234


 41, 24.901,
122.234


 71, 24.901,
122.234

 31, 24.901,
122.234

 81, 24.901,
122.234

 21, 24.901,
122.234

 91, 24.901,
122.234

 11, 24.901,
122.234

 1, 24.901, 122.234

 0, 24.901, 122.234

■ 51, 24.901,
122.234

■ 51, 24.901,
122.234

■ 50, 32.186,
121.738

■ 52, 17.446,
122.758

■ 50, 39.177,
121.301

■ 52, 9.901, 123.281

■ 49, 45.697,
120.980

■ 53, 2.325, 123.803

■ 49, 51.501,
120.853

■ 54, 5.241, 304.254

■ 54, 12.767,
304.712

■ 49, 56.287,
121.020

■ 55, 20.232,
305.135

■ 48, 59.773,
121.582

■ 56, 27.620,
305.525

■ 48, 61.847,
122.030

■ 57, 34.920,
305.884

■ 58, 42.123,
306.212

Harmonies

Complementary

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



51, 24.901, 122.234



39, 26.419, 305.890

Rectangle

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



51, 24.901, 122.234



51, 24.901, 172.234



51, 24.901, 302.234



51, 24.901, 352.234

Sweetspot

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



51, 24.902, 122.236



67, 9.413, 123.428



45, 15.266, 55.180



35, 6.473, 123.367



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 24.902, 122.236



65, 37.236, 121.840



50, 28.519, 138.477



27, 4.280, 123.487



48, 62.035, 122.037



0, 0.000, 0.000

Inverse Universe

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



39, 26.419, 305.890



47, 40.163, 306.453



41, 28.806, 321.739



25, 4.351, 304.395



16, 76.582, 309.468



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 51, 24.901, 122.234 looks on a white background.

Color Contrast Check

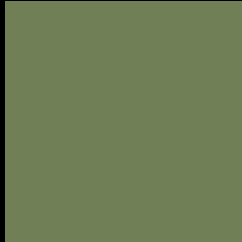
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 24.901, 122.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

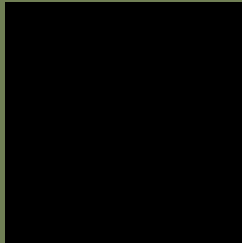
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 24.901, 122.234

Background



This preview shows how black text looks on a background with the CIELCh color 51, 24.901, 122.234.



This preview shows how white text looks on a background with the CIELCh color 51, 24.901, 122.234.

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

51, 24.901, 122.234

Protanopia

51, 22.364, 95.718

Deuteranopia

51, 21.266, 71.518



Tritanopia
51, 5.925, 279.682

Trichromacy



Original Color
51, 24.901, 122.234

Protanomaly
51, 22.397, 106.114

Deuteranomaly
51, 20.397, 92.345

Tritanomaly
51, 5.979, 137.855

Monochromacy



Original Color
51, 24.901, 122.234

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 8.983, 122.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 24.901, 122.234 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(112, 127, 85)` looks like.

```
.text, #text, p{  
    color:rgb(112, 127, 85)  
}
```

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(112, 127, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 127, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 24.901, 122.234 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(112, 127, 85) }
```

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

```
.border{ border-color:rgb(112, 127, 85) }
```

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

Here you see how a box with a 4 pixel rgb(112, 127, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 127, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 127, 85);  
box-shadow:4px 4px 4px 4px rgb(112, 127,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 24.901, 122.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 127, 85) }
```

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

```
.background{ background-color: rgb(112,  
127, 85) }
```

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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