

Converting Colors

CIELCh(49, 25.013, 122.867)

Have a look what the booklet for
CIELCh(49, 25.013, 122.867)
contains.

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Color

CIELCh(49, 25.188, 123.100)

Conversions

Conversions Part 1

Format	Color
Hex	6A7A50
RGB	106, 122, 80
RGB Percent	42%, 48%, 31%
CMY	0.5839, 0.5212, 0.6859
CMYK	0.13, 0.00, 0.34, 0.52
HSL	83°, 21%, 40%
HSV	83°, 34%, 48%
XYZ	14.3786, 17.5941, 10.2457
YIQ	112.4280, 3.9460, -16.4540

Conversions

Conversions Part 2

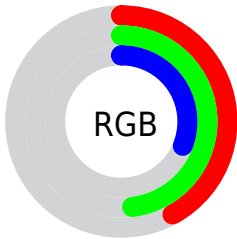
Format	Color
RYB	80, 122, 96
Decimal	6978128
CIELab	49.00, -13.76, 21.10
CIElCh	49, 25.188, 123.100
Yxy	17.5941, 0.3406, 0.4167
Android (android.graphics.Color)	4285168208 (0xFF6A7A50)
YUV	112.4280, -15.9870, -5.6374
Hunter-Lab	41.9453, -12.2157, 14.8793

Details

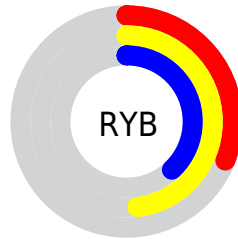
The CIELCh color $49, 25.188, 123.100$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $37, 26.725, 306.760$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 24.739, 122.854$, and $29, 24.690, 122.973$ is the 20% darker color. If you saturate the color by 10%, you get $48, 32.260, 122.623$, and if you desaturate by 10%, it is $50, 17.943, 123.607$.

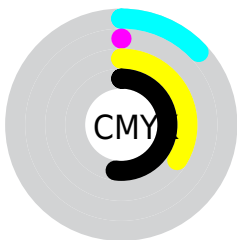
Distribution



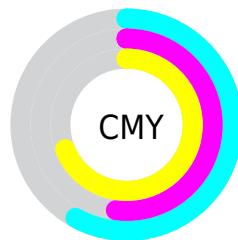
- Red (42%)
- Green (48%)
- Blue (31%)



- Red (31%)
- Yellow (48%)
- Blue (38%)



- Cyan (13%)
- Magenta (0%)
- Yellow (34%)
- Black (52%)




- Cyan (58%)
- Magenta (52%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 25.188, 123.100 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 49, 25.188, 123.100 by changing the saturation by 10% instead.


 49, 25.188,
123.100


 49, 25.188,
123.100


 100, 25.188,
123.100


 39, 25.188,
123.100

 69, 25.188,
123.100


 29, 25.188,
123.100

 79, 25.188,
123.100

 19, 25.188,
123.100

 89, 25.188,
123.100

 9, 25.188, 123.100

 99, 25.188,
123.100

 0, 25.188, 123.100

 49, 25.188,

 49, 25.188,

123.100

■ 48, 32.260,
122.623

■ 48, 39.033,
122.209

■ 48, 45.331,
121.917

■ 47, 50.913,
121.828

■ 47, 55.485,
122.045

■ 46, 58.831,
122.647

■ 46, 60.555,
122.984

123.100

■ 50, 17.943,
123.607

■ 50, 10.606,
124.114

■ 51, 3.237, 124.615

■ 52, 4.123, 305.052

■ 52, 11.443,
305.498

■ 53, 18.703,
305.906

■ 54, 25.885,
306.282

■ 55, 32.979,
306.626

■ 56, 39.976,
306.940

Harmonies

Complementary

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



49, 25.188, 123.100



37, 26.725, 306.760

Rectangle

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



49, 25.188, 123.100



49, 25.188, 173.100



49, 25.188, 303.100



49, 25.188, 353.100

Sweetspot

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



49, 25.189, 123.102



64, 9.096, 124.322



43, 15.425, 56.933



33, 6.173, 124.266



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 25.189, 123.102



62, 36.885, 122.735



48, 28.865, 138.835



25, 4.155, 124.380



47, 61.583, 123.021



90, 104.344, 123.863

Inverse Universe

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



37, 26.725, 306.760



45, 39.736, 307.274



39, 29.122, 322.293



24, 4.220, 305.248



16, 75.112, 309.888



37, 127.250, 309.338

Previews

White Background



This preview shows how the CIE LCh color 49, 25.188, 123.100 looks on a white 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

Black Background



This preview shows how the CIE LCh color 49, 25.188, 123.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

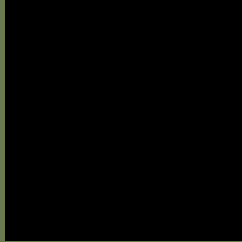
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 25.188, 123.100

Background



This preview shows how black text looks on a background with the CIELCh color 49, 25.188, 123.100.



This preview shows how white text looks on a background with the CIELCh color 49, 25.188, 123.100.

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


49, 25.188, 123.100

Protanopia

49, 22.522, 95.563

Deuteranopia

49, 21.176, 72.329



Tritanopia
49, 6.049, 276.137

Trichromacy



Original Color
49, 25.188, 123.100

Protanomaly
49, 22.545, 105.999

Deuteranomaly
49, 20.426, 93.418

Tritanomaly
49, 6.234, 141.062

Monochromacy



Original Color
49, 25.188, 123.100

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 9.164, 124.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 25.188, 123.100 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(106, 122, 80)` looks like.

```
.text, #text, p{  
    color:rgb(106, 122, 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(106, 122, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 122, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 25.188, 123.100 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(106, 122, 80) }
```

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

```
.border{ border-color:rgb(106, 122, 80) }
```

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

Here you see how a box with a 4 pixel rgb(106, 122, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 122, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 122, 80);  
box-shadow:4px 4px 4px 4px rgb(106, 122,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 25.188, 123.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 122, 80) }
```

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

```
.background{ background-color: rgb(106,  
122, 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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