

Converting Colors

CIELCh(49, 13.443, 194.971)

Have a look what the booklet for
CIELCh(49, 13.443, 194.971)
contains.

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Color

CIELCh(49, 13.346, 195.458)

Conversions

Conversions Part 1

Format	Color
Hex	577B7A
RGB	87, 123, 122
RGB Percent	34%, 48%, 48%
CMY	0.6589, 0.5177, 0.5216
CMYK	0.29, 0.00, 0.01, 0.52
HSL	178°, 17%, 41%
HSV	178°, 29%, 48%
XYZ	14.5235, 17.5941, 21.0396
YIQ	112.1220, -21.1350, -7.9430

Conversions

Conversions Part 2

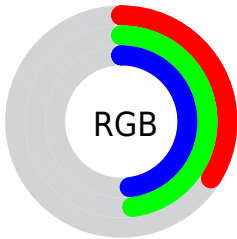
Format	Color
R_{YB}	87, 105, 123
Decimal	5733242
CIE _{Lab}	49.00, -12.86, -3.56
CIE _{LCh}	49, 13.346, 195.458
Yxy	17.5941, 0.2732, 0.3310
Android (android.graphics.Color)	4283923322 (0xFF577B7A)
YUV	112.1220, 4.8699, -22.0320
Hunter-Lab	41.9453, -11.5990, -0.3780

Details

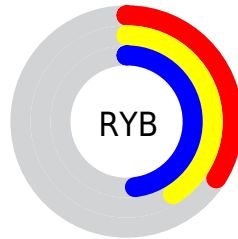
The CIELCh color $49, 13.346, 195.458$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 15.979, 19.541$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 13.574, 193.644$, and $29, 13.364, 194.607$ is the 20% darker color. If you saturate the color by 10%, you get $48, 17.245, 194.931$, and if you desaturate by 10%, it is $50, 9.064, 196.013$.

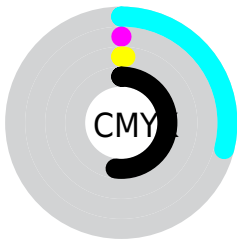
Distribution



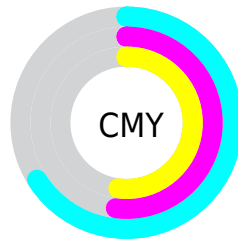
- Red (34%)
- Green (48%)
- Blue (48%)



- Red (34%)
- Yellow (41%)
- Blue (48%)



- Cyan (29%)
- Magenta (0%)
- Yellow (1%)
- Black (52%)




- Cyan (66%)
- Magenta (52%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 13.346, 195.458 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, 13.346, 195.458 by changing the saturation by 10% instead.

 49, 13.346,
195.458


 49, 13.346,
195.458


 100, 13.346,
195.458


 39, 13.346,
195.458

 69, 13.346,
195.458


 29, 13.346,
195.458

 79, 13.346,
195.458

 19, 13.346,
195.458

 89, 13.346,
195.458

 9, 13.346, 195.458

 99, 13.346,
195.458

 0, 13.346, 195.458

 49, 13.346,

 49, 13.346,

195.458

■ 48, 17.245,
194.931

■ 48, 20.687,
194.441

■ 47, 23.612,
193.982

■ 47, 25.974,
193.552

■ 47, 27.751,
193.145

■ 46, 28.953,
192.754

■ 46, 29.769,
192.373

■ 46, 29.828,
192.345

195.458

■ 50, 9.064, 196.013

■ 51, 4.472, 196.627

■ 52, 0.360, 16.068

■ 53, 5.367, 17.671

■ 54, 10.495, 18.328

■ 55, 15.695, 18.968

■ 57, 20.930, 19.606

■ 58, 26.172, 20.240

■ 60, 31.396, 20.869

Harmonies

Complementary

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



49, 13.346, 195.458



41, 15.979, 19.541

Rectangle

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



49, 13.346, 195.458



49, 13.346, 245.458



49, 13.346, 15.458



49, 13.346, 65.458

Sweetspot

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



49, 13.346, 195.454



65, 5.402, 196.631



48, 25.542, 141.721



34, 3.773, 196.549



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 13.346, 195.454



62, 19.385, 195.106



44, 12.061, 255.932



25, 2.707, 196.641



47, 30.169, 192.339



90, 50.848, 192.126

Inverse Universe

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



41, 15.979, 19.541



50, 24.297, 20.376



45, 13.238, 68.403



24, 2.851, 17.612



25, 59.276, 37.076



53, 102.695, 39.231

Previews

White Background



This preview shows how the CIELCh color 49, 13.346, 195.458 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, 13.346, 195.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

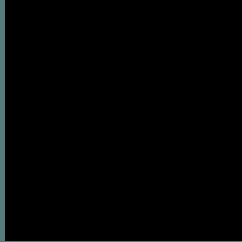
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

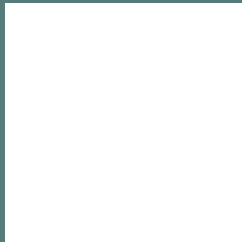
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 13.346, 195.458

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.346, 195.458.



This preview shows how white text looks on a background with the CIELCh color 49, 13.346, 195.458.

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, 13.346, 195.458

Protanopia

49, 2.153, 324.493

Deuteranopia

49, 7.848, 324.883



Tritanopia
49, 12.796, 222.848

Trichromacy



Original Color
49, 13.346, 195.458

Protanomaly
49, 4.347, 206.807

Deuteranomaly
49, 4.192, 256.692

Tritanomaly
49, 12.692, 214.425

Monochromacy



Original Color
49, 13.346, 195.458

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 5.114, 198.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 13.346, 195.458 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(87, 123, 122)` looks like.

```
.text, #text, p{  
    color:rgb(87, 123, 122)  
}
```

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(87, 123, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 123, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 13.346, 195.458 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(87, 123, 122) }
```

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

```
.border{ border-color:rgb(87, 123, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 123, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 123, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 123, 122);  
box-shadow:4px 4px 4px 4px rgb(87, 123,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 13.346, 195.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 123, 122) }
```

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

```
.background{ background-color: rgb(87, 123,  
122) }
```

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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