

Converting Colors

CIELCh(49, 13.651, 206.519)

Have a look what the booklet for
CIELCh(49, 13.651, 206.519)
contains.

CIELCh(49, 13.808, 205.386)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 13.808, 205.386)

Conversions

Conversions Part 1

Format	Color
Hex	557B7E
RGB	85, 123, 126
RGB Percent	33%, 48%, 49%
CMY	0.6668, 0.5178, 0.5060
CMYK	0.33, 0.02, 0.00, 0.51
HSL	184°, 19%, 41%
HSV	184°, 33%, 49%
XYZ	14.5869, 17.5941, 22.3558
YIQ	111.9800, -23.6110, -7.1230

Conversions

Conversions Part 2

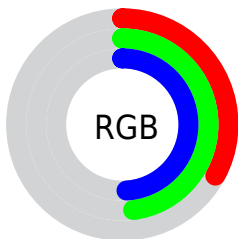
Format	Color
R_{YB}	85, 105, 126
Decimal	5602174
CIE _{Lab}	49.00, -12.47, -5.92
CIE _{LCh}	49, 13.808, 205.386
Yxy	17.5941, 0.2675, 0.3226
Android (android.graphics.Color)	4283792254 (0xFF557B7E)
YUV	111.9800, 6.9119, -23.6615
Hunter-Lab	41.9453, -11.3291, -2.2385

Details

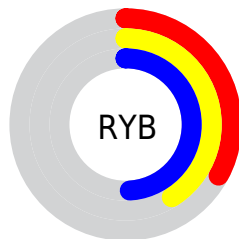
The CIELCh color `49, 13.808, 205.386` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `41, 17.241, 27.678`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `69, 14.015, 205.100`, and `29, 13.619, 205.679` is the 20% darker color. If you saturate the color by 10%, you get `48, 17.296, 205.386`, and if you desaturate by 10%, it is `50, 9.913, 205.490`.

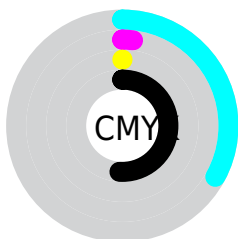
Distribution



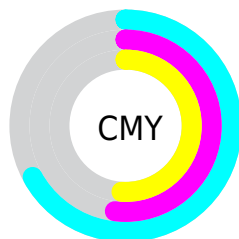
- Red (33%)
- Green (48%)
- Blue (49%)



- Red (33%)
- Yellow (41%)
- Blue (49%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (51%)



- Cyan (67%)
- Magenta (52%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 13.808, 205.386 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, 13.808, 205.386 by changing the saturation by 10% instead.


 49, 13.808,
205.386


 49, 13.808,
205.386


 100, 13.808,
205.386


 39, 13.808,
205.386

 69, 13.808,
205.386


 29, 13.808,
205.386

 79, 13.808,
205.386

 19, 13.808,
205.386


 89, 13.808,
205.386

 9, 13.808, 205.386

 99, 13.808,
205.386

 0, 13.808, 205.386

 49, 13.808,

 49, 13.808,

205.386

■ 48, 17.296,
205.386

■ 47, 20.310,
205.519

■ 46, 22.791,
205.803

■ 46, 24.699,
206.261

■ 45, 26.021,
206.916

■ 45, 26.778,
207.788

■ 44, 27.171,
208.501

205.386

■ 50, 9.913, 205.490

■ 51, 5.682, 205.703

■ 52, 1.181, 206.223

■ 54, 3.526, 26.084

■ 55, 8.388, 26.501

■ 57, 13.357, 26.901

■ 58, 18.396, 27.315

■ 60, 23.475, 27.739

■ 62, 28.571, 28.170

Harmonies

Complementary

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



49, 13.808, 205.386



41, 17.241, 27.678

Rectangle

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



49, 13.808, 205.386



49, 13.808, 255.386



49, 13.808, 25.386



49, 13.808, 75.386

Sweetspot

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



49, 13.808, 205.382



66, 5.631, 205.772



49, 27.949, 144.034



34, 3.811, 205.737



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, 13.808, 205.382



62, 19.830, 205.373



43, 15.134, 267.313



26, 2.601, 205.809



45, 27.406, 208.517



0, 0.000, 0.000

Inverse Universe

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



42, 27.831, 328.248



51, 40.984, 328.646



47, 15.935, 78.204



25, 4.853, 326.943



29, 65.391, 331.270



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 13.808, 205.386 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, 13.808, 205.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

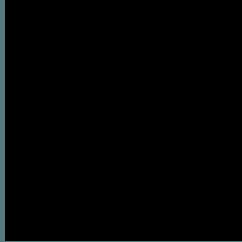
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 13.808, 205.386

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.808, 205.386.



This preview shows how white text looks on a background with the CIELCh color 49, 13.808, 205.386.

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, 13.808, 205.386

Protanopia

49, 3.632, 303.294

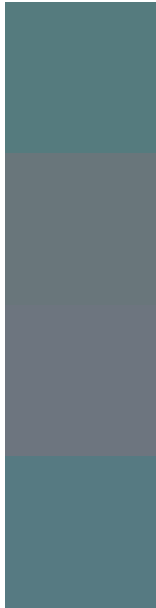
Deuteranopia

49, 9.548, 312.946



Tritanopia
49, 13.839, 223.514

Trichromacy



Original Color
49, 13.808, 205.386

Protanomaly
49, 5.746, 229.847

Deuteranomaly
49, 6.562, 263.100

Tritanomaly
49, 13.528, 218.646

Monochromacy



Original Color
49, 13.808, 205.386

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 5.494, 205.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 13.808, 205.386 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(85, 123, 126)` looks like.

```
.text, #text, p{  
    color:rgb(85, 123, 126)  
}
```

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(85, 123, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 123, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 13.808, 205.386 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(85, 123, 126) }
```

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

```
.border{ border-color:rgb(85, 123, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 123, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 123, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 123, 126);  
box-shadow:4px 4px 4px 4px rgb(85, 123,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 13.808, 205.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 123, 126) }
```

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

```
.background{ background-color: rgb(85, 123,  
126) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor