

Converting Colors

CIELCh(49, 13.405, 198.144)

Have a look what the booklet for
CIELCh(49, 13.405, 198.144)
contains.

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Color

CIELCh(49, 13.264, 198.015)

Conversions

Conversions Part 1

Format	Color
Hex	577B7B
RGB	87, 123, 123
RGB Percent	34%, 48%, 48%
CMY	0.6592, 0.5180, 0.5180
CMYK	0.29, 0.00, 0.00, 0.52
HSL	180°, 17%, 41%
HSV	180°, 29%, 48%
XYZ	14.5642, 17.5941, 21.3385
YIQ	112.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

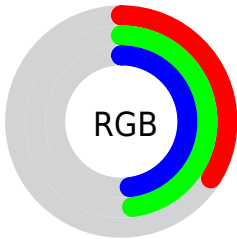
Format	Color
R_{YB}	87, 105, 123
Decimal	5733243
CIE _{Lab}	49.00, -12.61, -4.10
CIE _{LCh}	49, 13.264, 198.015
Yxy	17.5941, 0.2722, 0.3289
Android (android.graphics.Color)	4283923323 (0xFF577B7B)
YUV	112.2360, 5.3067, -22.1320
Hunter-Lab	41.9453, -11.4258, -0.8005

Details

The CIELCh color **49, 13.264, 198.015** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 16.041, 21.671**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 13.490, 195.975**, and **29, 13.241, 197.427** is the 20% darker color. If you saturate the color by 10%, you get **48, 17.104, 197.606**, and if you desaturate by 10%, it is **50, 9.027, 198.472**.

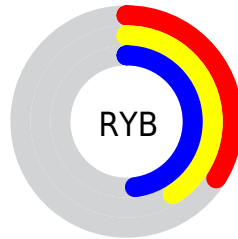
Distribution



Red (34%)

Green (48%)

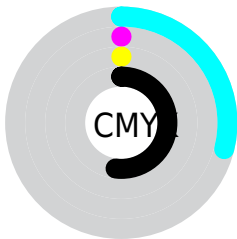
Blue (48%)



Red (34%)

Yellow (41%)

Blue (48%)

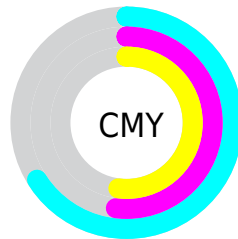


Cyan (29%)

Magenta (0%)

Yellow (0%)

Black (52%)



Cyan (66%)


Magenta (52%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 13.264, 198.015 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, 13.264, 198.015 by changing the saturation by 10% instead.


 49, 13.264,
198.015


 49, 13.264,
198.015


 100, 13.264,
198.015


 39, 13.264,
198.015

 69, 13.264,
198.015


 29, 13.264,
198.015

 79, 13.264,
198.015

 19, 13.264,
198.015

 89, 13.264,
198.015

 9, 13.264, 198.015

 99, 13.264,
198.015

 0, 13.264, 198.015

 49, 13.264,

 49, 13.264,

198.015

■ 48, 17.104,
197.606

■ 48, 20.477,
197.257

■ 47, 23.323,
196.967

■ 47, 25.601,
196.738

■ 47, 27.292,
196.570

■ 47, 28.412,
196.459

■ 46, 29.148,
196.386

■ 46, 29.199,
196.381

198.015

■ 50, 9.027, 198.472

■ 51, 4.465, 199.004

■ 52, 0.351, 18.341

■ 53, 5.357, 19.920

■ 54, 10.496, 20.528

■ 55, 15.721, 21.128

■ 57, 20.992, 21.731

■ 58, 26.279, 22.335

■ 59, 31.557, 22.937

Harmonies

Complementary

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



49, 13.264, 198.015



41, 16.041, 21.671

Rectangle

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



49, 13.264, 198.015



49, 13.264, 248.015



49, 13.264, 18.015



49, 13.264, 68.015

Sweetspot

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



49, 13.264, 198.011



65, 5.387, 199.008



48, 25.681, 142.121



34, 3.762, 198.935



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, 13.264, 198.011



62, 19.243, 197.738



44, 12.245, 257.867



25, 2.700, 199.017



47, 29.546, 196.381



90, 49.736, 196.381

Inverse Universe

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



41, 16.041, 21.671



50, 24.423, 22.466



45, 13.331, 70.183



24, 2.851, 19.867



25, 60.074, 38.172



53, 103.780, 39.999

Previews

White Background



This preview shows how the CIELCh color 49, 13.264, 198.015 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, 13.264, 198.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

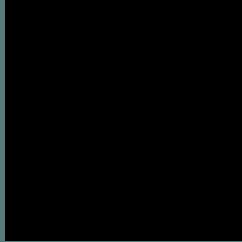
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

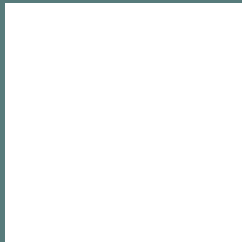
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 13.264, 198.015

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.264, 198.015.



This preview shows how white text looks on a background with the CIELCh color 49, 13.264, 198.015.

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, 13.264, 198.015

Protanopia

49, 1.953, 314.709

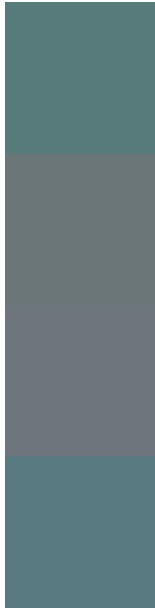
Deuteranopia

49, 8.134, 320.196



Tritanopia
49, 12.796, 222.848

Trichromacy



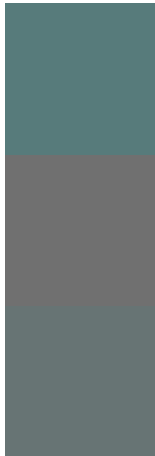
Original Color
49, 13.264, 198.015

Protanomaly
49, 4.805, 213.181

Deuteranomaly
49, 4.880, 256.893

Tritanomaly
49, 12.692, 214.425

Monochromacy



Original Color
49, 13.264, 198.015

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, 13.264, 198.015 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, 123)` looks like.

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

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, 123) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 49, 13.264, 198.015 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, 123) }
```

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

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

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, 123)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 49, 13.264, 198.015 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, 123) }
```

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

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

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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