

Converting Colors

CIELCh(49, 13.865, 257.291)

Have a look what the booklet for
CIELCh(49, 13.865, 257.291)
contains.

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Color

CIELCh(49, 13.864, 257.284)

Conversions

Conversions Part 1

Format	Color
Hex	61778B
RGB	97, 119, 139
RGB Percent	38%, 47%, 55%
CMY	0.6197, 0.5334, 0.4550
CMYK	0.30, 0.14, 0.00, 0.45
HSL	209°, 18%, 46%
HSV	209°, 30%, 55%
XYZ	16.1821, 17.5941, 26.9628
YIQ	114.7020, -19.5320, 1.5560

Conversions

Conversions Part 2

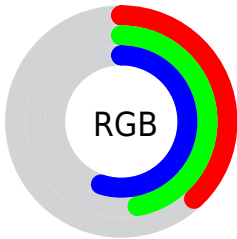
Format	Color
R_{YB}	97, 111, 139
Decimal	6387595
CIE Lab	49.00, -3.05, -13.52
CIE LCh	49, 13.864, 257.284
Yxy	17.5941, 0.2664, 0.2897
Android (android.graphics.Color)	4284577675 (0xFF61778B)
YUV	114.7020, 11.9789, -15.5247
Hunter-Lab	41.9453, -4.5405, -8.7505

Details

The CIELCh color $49, 13.864, 257.284$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 15.213, 69.271$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 14.049, 258.755$, and $29, 13.734, 256.786$ is the 20% darker color. If you saturate the color by 10%, you get $46, 18.267, 259.346$, and if you desaturate by 10%, it is $52, 9.356, 255.551$.

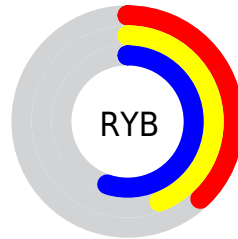
Distribution



Red (38%)

Green (47%)

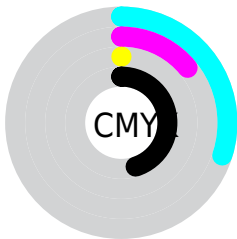
Blue (55%)



Red (38%)

Yellow (44%)

Blue (55%)

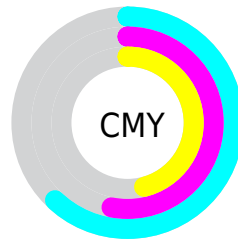


Cyan (30%)

Magenta (14%)

Yellow (0%)

Black (45%)



Cyan (62%)

Magenta (53%)

Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 13.864, 257.284 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, 13.864, 257.284 by changing the saturation by 10% instead.

 49, 13.864,
257.284


 49, 13.864,
257.284


 100, 13.864,
257.284

 39, 13.864,
257.284

 69, 13.864,
257.284

 29, 13.864,
257.284

 79, 13.864,
257.284

 19, 13.864,
257.284

 89, 13.864,
257.284

 9, 13.864, 257.284

 99, 13.864,
257.284

 0, 13.864, 257.284

 49, 13.864,

 49, 13.864,

257.284

257.284

■ 46, 18.267,
259.346

■ 52, 9.356, 255.551

■ 43, 22.553,
261.802

■ 55, 4.763, 254.116

■ 58, 0.107, 255.575

■ 41, 26.721,
264.705

■ 61, 4.593, 71.696

■ 64, 9.317, 70.826

■ 38, 30.787,
268.091

■ 67, 14.052, 70.058

■ 35, 34.796,
271.958

■ 70, 18.783, 69.387

■ 33, 38.814,
276.239

■ 73, 23.500, 68.798

■ 76, 28.194, 68.277

■ 31, 42.869,
280.451

Harmonies

Complementary

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



49, 13.864, 257.284



51, 15.213, 69.271

Rectangle

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



49, 13.864, 257.284



49, 13.864, 307.284



49, 13.864, 77.284



49, 13.864, 127.284

Sweetspot

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



49, 13.863, 257.281



70, 5.210, 253.987



54, 20.842, 159.251



37, 3.646, 254.153



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



49, 13.863, 257.281



61, 20.364, 258.596



43, 24.441, 292.475



28, 2.613, 253.981



29, 41.259, 280.224



1, 1.220, 252.802

Inverse Universe

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



46, 21.357, 345.023



57, 31.585, 345.727



56, 22.879, 105.904



27, 3.895, 343.063



28, 52.566, 358.558



0, 1.789, 342.385

Previews

White Background



This preview shows how the CIELCh color 49, 13.864, 257.284 looks on a white background.

Color Contrast Check

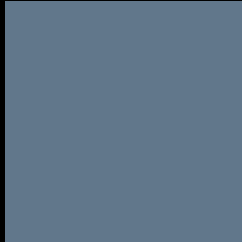
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.864, 257.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

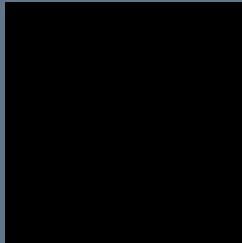
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

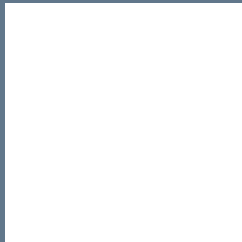
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 13.864, 257.284

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.864, 257.284.

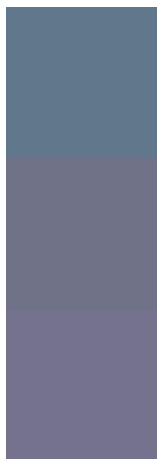


This preview shows how white text looks on a background with the CIELCh color 49, 13.864, 257.284.

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, 13.864, 257.284

Protanopia

49, 12.375, 286.614

Deuteranopia

49, 15.328, 294.935



Tritanopia
49, 10.713, 232.057

Trichromacy



Original Color
49, 13.864, 257.284

Protanomaly
49, 12.689, 276.690

Deuteranomaly
49, 14.259, 281.695

Tritanomaly
49, 11.382, 241.087

Monochromacy



Original Color
49, 13.864, 257.284

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 5.573, 257.112

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 13.864, 257.284 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(97, 119, 139)` looks like.

```
.text, #text, p{  
    color:rgb(97, 119, 139)  
}
```

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(97, 119, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 119, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 13.864, 257.284 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(97, 119, 139) }
```

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

```
.border{ border-color:rgb(97, 119, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 119, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 119, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 119, 139);  
box-shadow:4px 4px 4px 4px rgb(97, 119,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 13.864, 257.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 119, 139) }
```

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

```
.background{ background-color: rgb(97, 119,  
139) }
```

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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