

Converting Colors

CIELCh(49, 14.820, 261.831)

Have a look what the booklet for
CIELCh(49, 14.820, 261.831)
contains.

CIELCh(49, 14.652, 261.322)	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, 14.652, 261.322)

Conversions

Conversions Part 1

Format	Color
Hex	62778D
RGB	98, 119, 141
RGB Percent	38%, 47%, 55%
CMY	0.6171, 0.5348, 0.4486
CMYK	0.31, 0.16, 0.00, 0.45
HSL	211°, 18%, 47%
HSV	211°, 31%, 55%
XYZ	16.3299, 17.5941, 27.5861
YIQ	115.2290, -19.5780, 2.3900

Conversions

Conversions Part 2

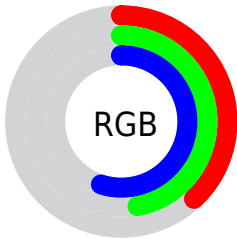
Format	Color
R_{YB}	98, 112, 141
Decimal	6453133
CIE _{Lab}	49.00, -2.21, -14.48
CIE _{LCh}	49, 14.652, 261.322
Yxy	17.5941, 0.2655, 0.2860
Android (android.graphics.Color)	4284643213 (0xFF62778D)
YUV	115.2290, 12.7051, -15.1098
Hunter-Lab	41.9453, -3.9116, -9.6314

Details

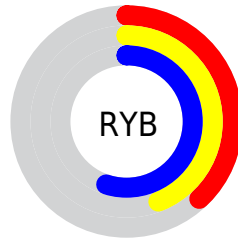
The CIELCh color `49, 14.652, 261.322` is a dark color, and the websafe version is hex `666666`. A complement of this color would be `52, 15.806, 72.925`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `69, 14.809, 262.380`, and `29, 14.587, 261.330` is the 20% darker color. If you saturate the color by 10%, you get `46, 19.327, 263.424`, and if you desaturate by 10%, it is `52, 9.909, 259.544`.

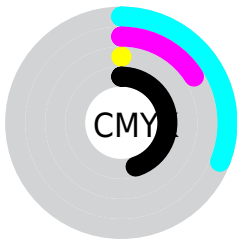
Distribution



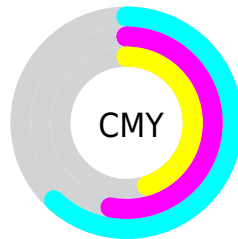
- Red (38%)
- Green (47%)
- Blue (55%)



- Red (38%)
- Yellow (44%)
- Blue (55%)



- Cyan (31%)
- Magenta (16%)
- Yellow (0%)
- Black (45%)



- Cyan (62%)
- Magenta (53%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 14.652, 261.322 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, 14.652, 261.322 by changing the saturation by 10% instead.


 49, 14.652,
261.322


 49, 14.652,
261.322


 100, 14.652,
261.322

 39, 14.652,
261.322

 69, 14.652,
261.322

 29, 14.652,
261.322

 79, 14.652,
261.322

 19, 14.652,
261.322

 89, 14.652,
261.322

 9, 14.652, 261.322

 99, 14.652,
261.322

 0, 14.652, 261.322

 49, 14.652,

 49, 14.652,

261.322

■ 46, 19.327,
263.424

■ 43, 23.928,
265.911

■ 40, 28.460,
268.828

■ 37, 32.947,
272.202

■ 35, 37.433,
276.018

■ 32, 41.980,
280.196

■ 30, 46.414,
284.110

261.322

■ 52, 9.909, 259.544

■ 55, 5.113, 258.058

■ 58, 0.281, 257.703

■ 61, 4.572, 75.557

■ 65, 9.430, 74.641

■ 68, 14.281, 73.829

■ 71, 19.113, 73.116

■ 74, 23.918, 72.487

■ 77, 28.688, 71.929

Harmonies

Complementary

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



49, 14.652, 261.322



52, 15.806, 72.925

Rectangle

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



49, 14.652, 261.322



49, 14.652, 311.322



49, 14.652, 81.322



49, 14.652, 131.322

Sweetspot

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



49, 14.651, 261.319



71, 5.417, 257.877



55, 20.729, 160.906



37, 3.748, 258.048



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, 14.651, 261.319



60, 21.952, 262.806



43, 25.899, 293.815



29, 2.768, 257.877



29, 44.931, 283.930



1, 1.876, 256.661

Inverse Universe

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



46, 21.354, 347.061



57, 32.163, 347.890



58, 24.104, 107.315



28, 3.921, 344.975



28, 52.887, 1.864



1, 2.619, 344.270

Previews

White Background



This preview shows how the CIELCh color 49, 14.652, 261.322 looks on a white background.

Color Contrast Check

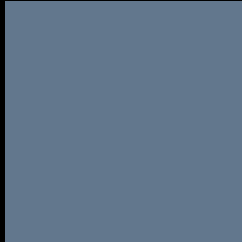
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 14.652, 261.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

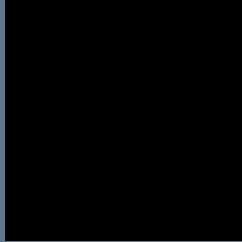
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

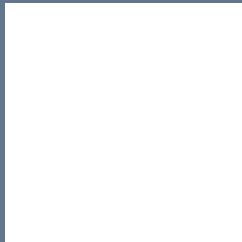
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 14.652, 261.322

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.652, 261.322.



This preview shows how white text looks on a background with the CIELCh color 49, 14.652, 261.322.

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, 14.652, 261.322

Protanopia

49, 13.571, 285.703

Deuteranopia

49, 16.482, 293.592



Tritanopia
49, 10.713, 232.057

Trichromacy



Original Color
49, 14.652, 261.322

Protanomaly
49, 13.897, 276.772

Deuteranomaly
49, 14.834, 282.211

Tritanomaly
49, 11.740, 243.451

Monochromacy



Original Color
49, 14.652, 261.322

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.379, 260.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.652, 261.322 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(98, 119, 141)` looks like.

```
.text, #text, p{  
    color:rgb(98, 119, 141)  
}
```

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(98, 119, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 119, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.652, 261.322 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(98, 119, 141) }
```

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

```
.border{ border-color:rgb(98, 119, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 119, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 119, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 119, 141);  
box-shadow:4px 4px 4px 4px rgb(98, 119,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.652, 261.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 119, 141) }
```

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

```
.background{ background-color: rgb(98, 119,  
141) }
```

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