

Converting Colors

CIELCh(49, 14.501, 227.489)

Have a look what the booklet for
CIELCh(49, 14.501, 227.489)
contains.

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Color

CIELCh(49, 14.508, 227.517)

Conversions

Conversions Part 1

Format	Color
Hex	557A86
RGB	85, 122, 134
RGB Percent	33%, 48%, 53%
CMY	0.6664, 0.5213, 0.4742
CMYK	0.37, 0.09, 0.00, 0.47
HSL	195°, 22%, 43%
HSV	195°, 37%, 53%
XYZ	15.0288, 17.5941, 25.1842
YIQ	112.3050, -25.9040, -4.1120

Conversions

Conversions Part 2

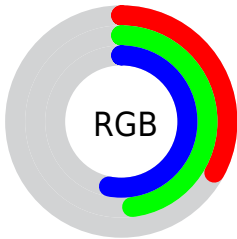
Format	Color
R_{YB}	85, 106, 134
Decimal	5601926
CIE _{Lab}	49.00, -9.80, -10.70
CIE _{LCh}	49, 14.508, 227.517
Yxy	17.5941, 0.2600, 0.3044
Android (android.graphics.Color)	4283792006 (0xFF557A86)
YUV	112.3050, 10.6956, -23.9465
Hunter-Lab	41.9453, -9.4486, -6.2364

Details

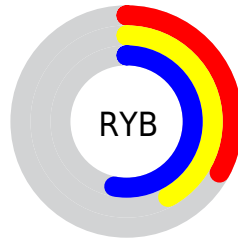
The CIELCh color $49, 14.508, 227.517$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $45, 18.424, 43.784$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 14.319, 228.628$, and $29, 14.351, 227.654$ is the 20% darker color. If you saturate the color by 10%, you get $47, 17.762, 228.832$, and if you desaturate by 10%, it is $51, 10.897, 226.501$.

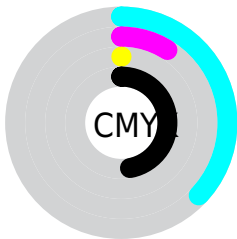
Distribution



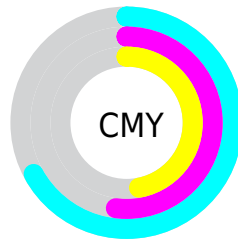
- Red (33%)
- Green (48%)
- Blue (53%)



- Red (33%)
- Yellow (42%)
- Blue (53%)



- Cyan (37%)
- Magenta (9%)
- Yellow (0%)
- Black (47%)




- Cyan (67%)
- Magenta (52%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 14.508, 227.517 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, 14.508, 227.517 by changing the saturation by 10% instead.


 49, 14.508,
227.517


 49, 14.508,
227.517


 100, 14.508,
227.517


 39, 14.508,
227.517

 69, 14.508,
227.517


 29, 14.508,
227.517

 79, 14.508,
227.517

 19, 14.508,
227.517

 89, 14.508,
227.517

 9, 14.508, 227.517

 99, 14.508,
227.517

 0, 14.508, 227.517

 49, 14.508,

 49, 14.508,

227.517

■ 47, 17.762,
228.832

■ 46, 20.609,
230.525

■ 44, 23.010,
232.673

■ 43, 24.950,
235.360

■ 41, 26.455,
238.657

■ 40, 27.630,
242.524

■ 40, 28.042,
243.848

227.517

■ 51, 10.897,
226.501

■ 53, 6.986, 225.741

■ 55, 2.831, 225.235

■ 57, 1.518, 44.398

■ 59, 6.017, 44.273

■ 61, 10.628, 44.074

■ 63, 15.320, 43.931

■ 65, 20.067, 43.839

■ 67, 24.848, 43.788

Harmonies

Complementary

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



49, 14.508, 227.517



45, 18.424, 43.784

Rectangle

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



49, 14.508, 227.517



49, 14.508, 277.517



49, 14.508, 47.517



49, 14.508, 97.517

Sweetspot

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



49, 14.508, 227.514



68, 5.805, 225.433



52, 29.234, 148.867



35, 3.874, 225.492



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 14.508, 227.514



61, 20.855, 228.600



42, 22.014, 281.563



27, 2.402, 225.332



39, 27.412, 243.701



0, 0.587, 224.812

Inverse Universe

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



43, 29.173, 334.567



52, 42.966, 335.191



51, 21.569, 91.706



26, 4.444, 332.683



28, 58.419, 340.550



0, 1.057, 332.145

Previews

White Background



This preview shows how the CIE LCh color 49, 14.508, 227.517 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, 14.508, 227.517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

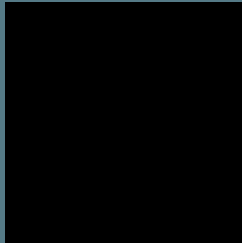
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

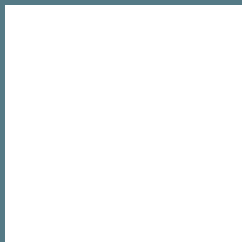
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 14.508, 227.517

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.508, 227.517.



This preview shows how white text looks on a background with the CIELCh color 49, 14.508, 227.517.

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, 14.508, 227.517

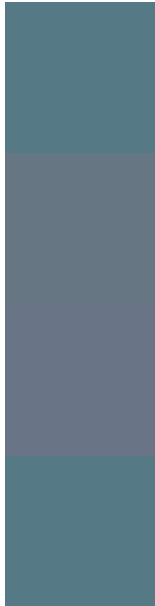
Protanopia
49, 8.825, 288.858

Deuteranopia
49, 13.711, 299.848



Tritanopia
49, 14.121, 222.949

Trichromacy



Original Color
49, 14.508, 227.517

Protanomaly
49, 9.325, 254.341

Deuteranomaly
49, 11.668, 273.191

Tritanomaly
49, 14.304, 225.263

Monochromacy



Original Color
49, 14.508, 227.517

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 5.853, 222.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.508, 227.517 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, 122, 134)` looks like.

```
.text, #text, p{  
    color:rgb(85, 122, 134)  
}
```

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, 122, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 122, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.508, 227.517 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, 122, 134) }
```

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

```
.border{ border-color:rgb(85, 122, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 122, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 122, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 122, 134);  
box-shadow:4px 4px 4px 4px rgb(85, 122,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.508, 227.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 122, 134) }
```

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

```
.background{ background-color: rgb(85, 122,  
134) }
```

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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