

Converting Colors

CIELCh(49, 14.464, 198.032)

Have a look what the booklet for
CIELCh(49, 14.464, 198.032)
contains.

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Color

CIELCh(49, 14.178, 200.322)

Conversions

Conversions Part 1

Format	Color
Hex	547B7C
RGB	84, 123, 124
RGB Percent	33%, 48%, 49%
CMY	0.6695, 0.5166, 0.5126
CMYK	0.32, 0.01, 0.00, 0.51
HSL	181°, 19%, 41%
HSV	181°, 32%, 49%
XYZ	14.4531, 17.5941, 21.7946
YIQ	111.4530, -23.5650, -7.9570

Conversions

Conversions Part 2

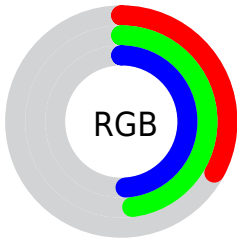
Format	Color
R_{YB}	84, 104, 124
Decimal	5536636
CIE _{Lab}	49.00, -13.30, -4.92
CIE _{LCh}	49, 14.178, 200.322
Yxy	17.5941, 0.2684, 0.3268
Android (android.graphics.Color)	4283726716 (0xFF547B7C)
YUV	111.4530, 6.1857, -24.0763
Hunter-Lab	41.9453, -11.8984, -1.4452

Details

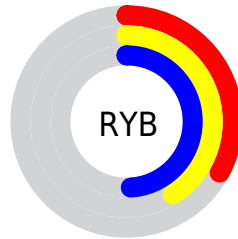
The CIELCh color `49, 14.178, 200.322` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `40, 17.571, 23.847`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `69, 14.406, 198.249`, and `29, 14.013, 199.994` is the 20% darker color. If you saturate the color by 10%, you get `48, 17.818, 200.051`, and if you desaturate by 10%, it is `50, 10.123, 200.658`.

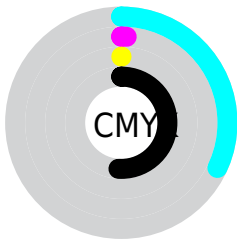
Distribution



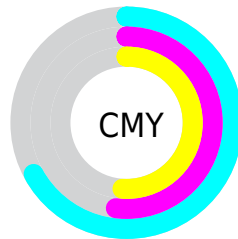
- Red (33%)
- Green (48%)
- Blue (49%)



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



- Cyan (32%)
- Magenta (1%)
- Yellow (0%)
- Black (51%)



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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 14.178, 200.322 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, 14.178, 200.322 by changing the saturation by 10% instead.


 49, 14.178,
200.322


 49, 14.178,
200.322


 100, 14.178,
200.322


 39, 14.178,
200.322

 69, 14.178,
200.322


 29, 14.178,
200.322

 79, 14.178,
200.322

 19, 14.178,
200.322

 89, 14.178,
200.322

 9, 14.178, 200.322

 99, 14.178,
200.322

 0, 14.178, 200.322

 49, 14.178,

 49, 14.178,

200.322

■ 48, 17.818,
200.051

■ 48, 20.975,
199.863

■ 47, 23.592,
199.762

■ 47, 25.630,
199.755

■ 46, 27.079,
199.849

■ 46, 27.961,
200.045

■ 46, 28.455,
200.231

200.322

■ 50, 10.123,
200.658

■ 51, 5.724, 201.073

■ 52, 1.053, 201.808

■ 53, 3.826, 21.805

■ 54, 8.856, 22.362

■ 56, 13.988, 22.897

■ 57, 19.182, 23.439

■ 58, 24.406, 23.985

■ 60, 29.634, 24.532

Harmonies

Complementary

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



49, 14.178, 200.322



40, 17.571, 23.847

Rectangle

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



49, 14.178, 200.322



49, 14.178, 250.322



49, 14.178, 20.322



49, 14.178, 70.322

Sweetspot

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



49, 14.178, 200.318



65, 5.822, 201.167



48, 28.293, 142.707



34, 3.991, 201.110



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, 14.178, 200.318



62, 20.528, 200.105



43, 14.010, 262.122



25, 2.632, 201.227



46, 28.566, 200.233



88, 48.003, 200.448

Inverse Universe

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



41, 28.130, 326.804



50, 41.793, 327.195



46, 15.125, 73.301



24, 4.848, 325.568



29, 66.857, 329.214



59, 112.430, 329.268

Previews

White Background



This preview shows how the CIELCh color 49, 14.178, 200.322 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 CIE LCh color 49, 14.178, 200.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

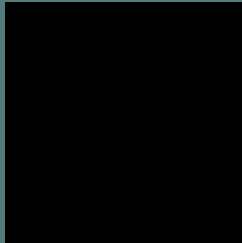
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 14.178, 200.322

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.178, 200.322.



This preview shows how white text looks on a background with the CIELCh color 49, 14.178, 200.322.

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, 14.178, 200.322

Protanopia

49, 3.061, 305.677

Deuteranopia

49, 8.474, 315.887



Tritanopia
49, 13.839, 223.514

Trichromacy



Original Color
49, 14.178, 200.322

Protanomaly
49, 5.500, 224.357

Deuteranomaly
49, 5.775, 253.914

Tritanomaly
49, 13.709, 215.703

Monochromacy



Original Color
49, 14.178, 200.322

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 5.496, 198.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.178, 200.322 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(84, 123, 124)` looks like.

```
.text, #text, p{  
    color:rgb(84, 123, 124)  
}
```

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(84, 123, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 123, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.178, 200.322 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(84, 123, 124) }
```

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

```
.border{ border-color:rgb(84, 123, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 123, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 123, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 123, 124);  
box-shadow:4px 4px 4px 4px rgb(84, 123,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.178, 200.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 123, 124) }
```

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

```
.background{ background-color: rgb(84, 123,  
124) }
```

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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