

Converting Colors

CIELCh(49, 20.449, 249.173)

Have a look what the booklet for
CIELCh(49, 20.449, 249.173)
contains.

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Color

CIELCh(49, 20.318, 247.566)

Conversions

Conversions Part 1

Format	Color
Hex	4E7A94
RGB	78, 122, 148
RGB Percent	31%, 48%, 58%
CMY	0.6951, 0.5226, 0.4207
CMYK	0.47, 0.18, 0.00, 0.42
HSL	202°, 31%, 44%
HSV	202°, 47%, 58%
XYZ	15.3723, 17.5941, 30.4919
YIQ	111.8080, -34.5700, -1.2420

Conversions

Conversions Part 2

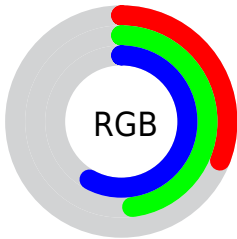
Format	Color
R_{YB}	78, 105, 148
Decimal	5143188
CIE _{Lab}	49.00, -7.75, -18.78
CIE _{LCh}	49, 20.318, 247.566
Yxy	17.5941, 0.2422, 0.2773
Android (android.graphics.Color)	4283333268 (0xFF4E7A94)
YUV	111.8080, 17.8427, -29.6496
Hunter-Lab	41.9453, -7.9867, -13.7388

Details

The CIELCh color $49, 20.318, 247.566$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $48, 25.996, 56.414$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 20.302, 248.271$, and $29, 20.375, 247.946$ is the 20% darker color. If you saturate the color by 10%, you get $47, 23.910, 250.150$, and if you desaturate by 10%, it is $51, 16.442, 245.445$.

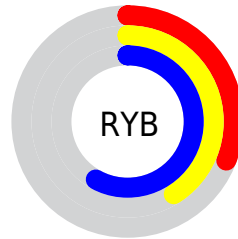
Distribution



Red (31%)

Green (48%)

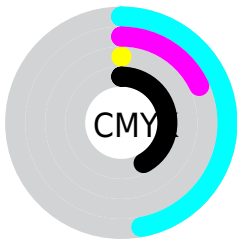
Blue (58%)



Red (31%)

Yellow (41%)

Blue (58%)

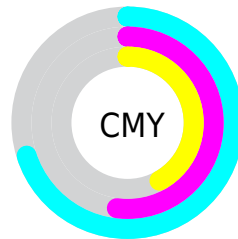


Cyan (47%)

Magenta (18%)

Yellow (0%)

Black (42%)



Cyan (70%)

Magenta (52%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 20.318, 247.566 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, 20.318, 247.566 by changing the saturation by 10% instead.

■ 49, 20.318,
247.566

■ 49, 20.318,
247.566

■ 100, 20.318,
247.566

■ 39, 20.318,
247.566

■ 69, 20.318,
247.566

■ 29, 20.318,
247.566

■ 79, 20.318,
247.566

■ 19, 20.318,
247.566

■ 89, 20.318,
247.566

■ 9, 20.318, 247.566

■ 99, 20.318,
247.566

■ 0, 20.318, 247.566

■ 49, 20.318,

■ 49, 20.318,

247.566

■ 47, 23.910,
250.150

■ 44, 27.213,
253.275

■ 42, 30.247,
256.988

■ 40, 33.077,
261.293

■ 38, 35.832,
266.016

■ 38, 36.584,
267.198

247.566

■ 51, 16.442,
245.445

■ 54, 12.311,
243.718

■ 57, 7.963, 242.317

■ 59, 3.437, 241.219

■ 62, 1.230, 59.857

■ 65, 6.004, 59.310

■ 67, 10.855, 58.684

■ 70, 15.758, 58.147

■ 73, 20.694, 57.692

Harmonies

Complementary

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



49, 20.318, 247.566



48, 25.996, 56.414

Rectangle

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



49, 20.318, 247.566



49, 20.318, 297.566



49, 20.318, 67.566



49, 20.318, 117.566

Sweetspot

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



49, 20.317, 247.565



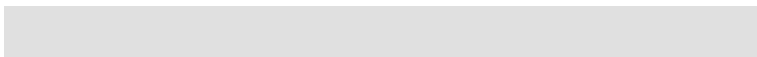
73, 7.960, 241.943



56, 36.601, 152.708



38, 5.520, 242.179



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 20.317, 247.565



60, 29.250, 250.370



39, 37.128, 291.263



30, 2.626, 241.393



35, 34.604, 266.842



1, 2.329, 240.405

Inverse Universe

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



43, 37.223, 341.280



51, 54.030, 342.488



57, 33.987, 99.022



29, 4.448, 337.936



30, 56.283, 349.751



1, 3.858, 337.316

Previews

White Background



This preview shows how the CIELCh color 49, 20.318, 247.566 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, 20.318, 247.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

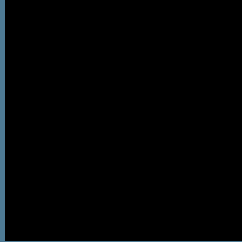
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

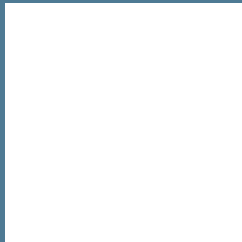
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 20.318, 247.566

Background



This preview shows how black text looks on a background with the CIELCh color 49, 20.318, 247.566.



This preview shows how white text looks on a background with the CIELCh color 49, 20.318, 247.566.

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, 20.318, 247.566

Protanopia

49, 16.546, 284.812

Deuteranopia

49, 20.614, 287.952



Tritanopia
49, 17.646, 217.407

Trichromacy



Original Color
49, 20.318, 247.566

Protanomaly
49, 17.499, 270.103

Deuteranomaly
49, 19.649, 273.261

Tritanomaly
49, 18.118, 229.535

Monochromacy



Original Color
49, 20.318, 247.566

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 7.928, 241.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 20.318, 247.566 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(78, 122, 148)` looks like.

```
.text, #text, p{  
    color:rgb(78, 122, 148)  
}
```

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(78, 122, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 122, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 20.318, 247.566 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(78, 122, 148) }
```

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

```
.border{ border-color:rgb(78, 122, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 122, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 122, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 122, 148);  
box-shadow:4px 4px 4px 4px rgb(78, 122,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 20.318, 247.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 122, 148) }
```

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

```
.background{ background-color: rgb(78, 122,  
148) }
```

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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