

Converting Colors

CIELCh(49, 21.681, 199.636)

Have a look what the booklet for
CIELCh(49, 21.681, 199.636)
contains.

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Color

CIELCh(49, 21.747, 198.756)

Conversions

Conversions Part 1

Format	Color
Hex	3D7F80
RGB	61, 127, 128
RGB Percent	24%, 50%, 50%
CMY	0.7625, 0.5036, 0.4997
CMYK	0.53, 0.01, 0.00, 0.50
HSL	181°, 36%, 37%
HSV	181°, 53%, 50%
XYZ	13.2997, 17.5941, 22.9712
YIQ	107.3800, -39.6570, -13.6810

Conversions

Conversions Part 2

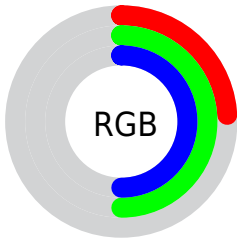
Format	Color
RYB	61, 94, 128
Decimal	4030336
CIELab	49.00, -20.59, -6.99
CIELCh	49, 21.747, 198.756
Yxy	17.5941, 0.2469, 0.3266
Android (android.graphics.Color)	4282220416 (0xFF3D7F80)
YUV	107.3800, 10.1657, -40.6753
Hunter-Lab	41.9453, -16.8066, -3.1083

Details

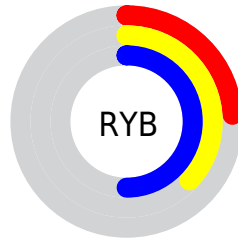
The CIELCh color **49, 21.747, 198.756** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 31.602, 26.149**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 21.858, 199.127**, and **29, 21.079, 198.194** is the 20% darker color. If you saturate the color by 10%, you get **49, 24.427, 198.586**, and if you desaturate by 10%, it is **50, 18.508, 198.999**.

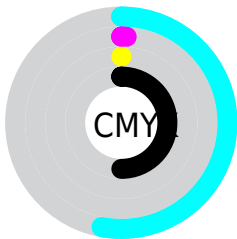
Distribution



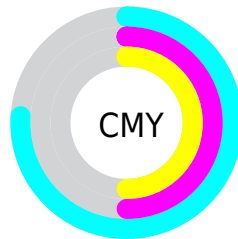
- Red (24%)
- Green (50%)
- Blue (50%)



- Red (24%)
- Yellow (37%)
- Blue (50%)



- Cyan (53%)
- Magenta (1%)
- Yellow (0%)
- Black (50%)




- Cyan (76%)
- Magenta (50%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 21.747, 198.756 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, 21.747, 198.756 by changing the saturation by 10% instead.


 49, 21.747,
198.756


 49, 21.747,
198.756


 100, 21.747,
198.756


 39, 21.747,
198.756

 69, 21.747,
198.756


 29, 21.747,
198.756

 79, 21.747,
198.756

 19, 21.747,
198.756

 89, 21.747,
198.756

 9, 21.747, 198.756

 99, 21.747,
198.756

 0, 21.747, 198.756

 49, 21.747,

 49, 21.747,

198.756

■ 49, 24.427,
198.586

■ 48, 26.511,
198.499

■ 48, 27.990,
198.496

■ 48, 28.892,
198.576

■ 47, 29.381,
198.661

198.756

■ 50, 18.508,
198.999

■ 50, 14.769,
199.314

■ 51, 10.598,
199.695

■ 52, 6.069, 200.145

■ 53, 1.257, 200.862

■ 54, 3.772, 20.941

■ 56, 8.957, 21.530

■ 57, 14.246, 22.093

■ 58, 19.599, 22.661

Harmonies

Complementary

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



49, 21.747, 198.756



35, 31.602, 26.149

Rectangle

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



49, 21.747, 198.756



49, 21.747, 248.756



49, 21.747, 18.756



49, 21.747, 68.756

Sweetspot

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



49, 21.747, 198.754



66, 9.495, 199.963



48, 46.686, 140.301



34, 6.429, 199.886



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 21.747, 198.754



62, 30.111, 198.563



39, 22.599, 265.050



26, 2.751, 200.325



47, 29.368, 198.661



0, 0.000, 0.000

Inverse Universe

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



37, 45.968, 327.497



44, 65.918, 327.973



43, 26.172, 69.094



25, 5.051, 325.298



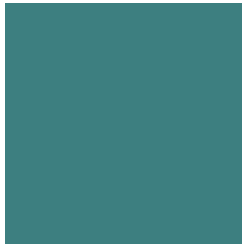
30, 68.351, 328.815



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 21.747, 198.756 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, 21.747, 198.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

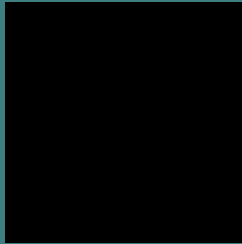
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 21.747, 198.756

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.747, 198.756.



This preview shows how white text looks on a background with the CIELCh color 49, 21.747, 198.756.

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, 21.747, 198.756

Protanopia

49, 3.561, 297.052

Deuteranopia

49, 10.979, 305.787



Tritanopia
49, 20.577, 214.244

Trichromacy



Original Color
49, 21.747, 198.756

Protanomaly
48, 8.924, 213.919

Deuteranomaly
48, 10.046, 243.743

Tritanomaly
49, 20.973, 207.115

Monochromacy



Original Color
49, 21.747, 198.756

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.218, 198.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.747, 198.756 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(61, 127, 128)` looks like.

```
.text, #text, p{  
    color:rgb(61, 127, 128)  
}
```

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(61, 127, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 127, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.747, 198.756 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(61, 127, 128) }
```

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

```
.border{ border-color:rgb(61, 127, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 127, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 127, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 127, 128);  
box-shadow:4px 4px 4px 4px rgb(61, 127,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.747, 198.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 127, 128) }
```

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

```
.background{ background-color: rgb(61, 127,  
128) }
```

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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