

Converting Colors

CIELCh(49, 28.149, 247.602)

Have a look what the booklet for
CIELCh(49, 28.149, 247.602)
contains.

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Color

CIELCh(49, 28.097, 247.398)

Conversions

Conversions Part 1

Format	Color
Hex	337CA0
RGB	51, 124, 160
RGB Percent	20%, 49%, 63%
CMY	0.8010, 0.5145, 0.3734
CMYK	0.68, 0.23, 0.00, 0.37
HSL	200°, 52%, 41%
HSV	200°, 68%, 63%
XYZ	14.8626, 17.5941, 35.7753
YIQ	106.2770, -55.0640, -4.2800

Conversions

Conversions Part 2

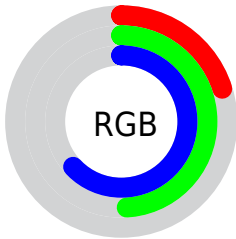
Format	Color
R_{YB}	51, 95, 160
Decimal	3374240
CIE _{Lab}	49.00, -10.80, -25.94
CIE _{LCh}	49, 28.097, 247.398
Yxy	17.5941, 0.2178, 0.2579
Android (android.graphics.Color)	4281564320 (0xFF337CA0)
YUV	106.2770, 26.4854, -48.4779
Hunter-Lab	41.9453, -10.1557, -21.2070

Details

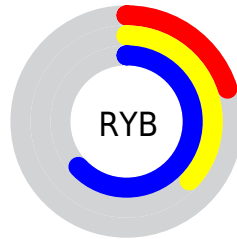
The CIELCh color **49, 28.097, 247.398** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **45, 43.185, 51.358**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 28.018, 246.910**, and **30, 25.655, 254.411** is the 20% darker color. If you saturate the color by 10%, you get **47, 30.867, 251.039**, and if you desaturate by 10%, it is **51, 24.958, 244.380**.

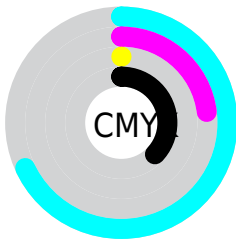
Distribution



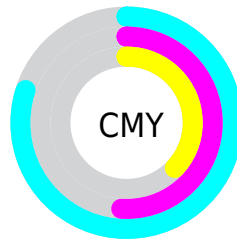
- Red (20%)
- Green (49%)
- Blue (63%)



- Red (20%)
- Yellow (37%)
- Blue (63%)



- Cyan (68%)
- Magenta (23%)
- Yellow (0%)
- Black (37%)



- Cyan (80%)
- Magenta (51%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.097, 247.398 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, 28.097, 247.398 by changing the saturation by 10% instead.

 49, 28.097,
247.398


 49, 28.097,
247.398


 100, 28.097,
247.398

 39, 28.097,
247.398

 69, 28.097,
247.398

 29, 28.097,
247.398

 79, 28.097,
247.398

 19, 28.097,
247.398

 89, 28.097,
247.398

 9, 28.097, 247.398

 99, 28.097,
247.398

 0, 28.097, 247.398

 49, 28.097,

 49, 28.097,

247.398

247.398

■ 47, 30.867,
251.039

■ 51, 24.958,
244.380

■ 45, 33.337,
255.321

■ 53, 21.433,
241.917

■ 43, 35.663,
260.076

■ 56, 17.537,
239.929

■ 43, 36.089,
260.887

■ 58, 13.309,
238.334

■ 61, 8.797, 237.064

■ 64, 4.053, 236.086

■ 66, 0.877, 54.680

■ 69, 5.948, 54.413

■ 72, 11.124, 53.902

Harmonies

Complementary

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



49, 28.097, 247.398



45, 43.185, 51.358

Rectangle

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



49, 28.097, 247.398



49, 28.097, 297.398



49, 28.097, 67.398



49, 28.097, 117.398

Sweetspot

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



49, 28.096, 247.398



76, 11.835, 237.311



58, 56.167, 147.683



40, 8.090, 237.634



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 28.096, 247.398



59, 38.966, 253.225



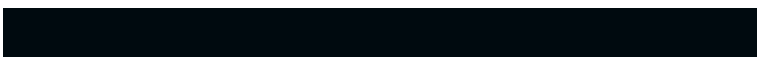
33, 55.584, 294.047



32, 2.753, 236.169



38, 33.058, 260.345



2, 3.678, 239.579

Inverse Universe

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



40, 55.124, 341.548



48, 74.539, 343.748



58, 48.590, 93.469



31, 4.842, 336.126



31, 59.084, 346.643



1, 6.131, 337.017

Previews

White Background



This preview shows how the CIE LCh color 49, 28.097, 247.398 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, 28.097, 247.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

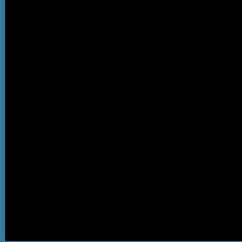
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.097, 247.398

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.097, 247.398.



This preview shows how white text looks on a background with the CIELCh color 49, 28.097, 247.398.

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





Tritanopia
49, 26.003, 210.158

Trichromacy



Original Color
49, 28.097, 247.398

Protanomaly
49, 23.707, 266.438

Deuteranomaly
49, 27.061, 269.106

Tritanomaly
49, 25.564, 225.020

Monochromacy



Original Color
49, 28.097, 247.398

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 12.312, 241.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.097, 247.398 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(51, 124, 160)` looks like.

```
.text, #text, p{  
    color:rgb(51, 124, 160)  
}
```

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(51, 124, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 124, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.097, 247.398 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(51, 124, 160) }
```

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

```
.border{ border-color:rgb(51, 124, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 124, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 124, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 124, 160);  
box-shadow:4px 4px 4px 4px rgb(51, 124,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.097, 247.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 124, 160) }
```

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

```
.background{ background-color: rgb(51, 124,  
160) }
```

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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