

Converting Colors

CIELCh(49, 28.863, 257.716)

Have a look what the booklet for
CIELCh(49, 28.863, 257.716)
contains.

CIELCh(49, 28.893, 257.810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 28.893, 257.810)

Conversions

Conversions Part 1

Format	Color
Hex	3F7AA4
RGB	63, 122, 164
RGB Percent	25%, 48%, 64%
CMY	0.7538, 0.5223, 0.3577
CMYK	0.62, 0.26, 0.00, 0.36
HSL	205°, 45%, 44%
HSV	205°, 62%, 64%
XYZ	15.6538, 17.5941, 37.5959
YIQ	109.1470, -48.6460, 0.5540

Conversions

Conversions Part 2

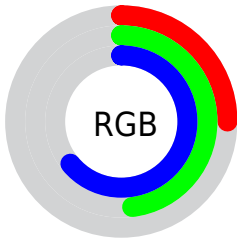
Format	Color
R _Y B	63, 100, 164
Decimal	4160164
CIE Lab	49.00, -6.10, -28.24
CIE LCh	49, 28.893, 257.810
Yxy	17.5941, 0.2210, 0.2484
Android (android.graphics.Color)	4282350244 (0xFF3F7AA4)
YUV	109.1470, 27.0425, -40.4709
Hunter-Lab	41.9453, -6.7887, -23.7805

Details

The CIELCh color **49, 28.893, 257.810** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 38.338, 59.633**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 28.971, 257.874**, and **30, 27.805, 260.531** is the 20% darker color. If you saturate the color by 10%, you get **46, 32.806, 261.352**, and if you desaturate by 10%, it is **52, 24.754, 254.819**.

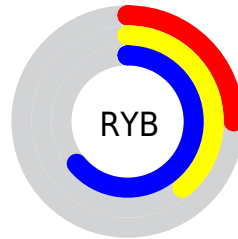
Distribution



Red (25%)

Green (48%)

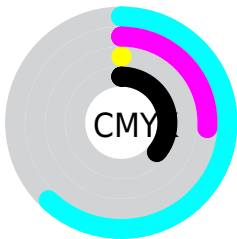
Blue (64%)



Red (25%)

Yellow (39%)

Blue (64%)

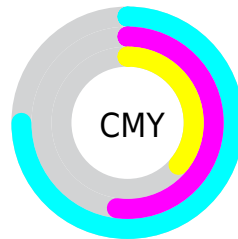


Cyan (62%)

Magenta (26%)

Yellow (0%)

Black (36%)



Cyan (75%)

Magenta (52%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.893, 257.810 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, 28.893, 257.810 by changing the saturation by 10% instead.

■ 49, 28.893,
257.810

■ 49, 28.893,
257.810

■ 100, 28.893,
257.810

■ 39, 28.893,
257.810

■ 69, 28.893,
257.810

■ 29, 28.893,
257.810

■ 79, 28.893,
257.810

■ 19, 28.893,
257.810

■ 89, 28.893,
257.810

■ 9, 28.893, 257.810

■ 99, 28.893,
257.810

■ 0, 28.893, 257.810

■ 49, 28.893,

■ 49, 28.893,

257.810

257.810

■ 46, 32.806,
261.352

■ 52, 24.754,
254.819

■ 44, 36.550,
265.454

■ 55, 20.377,
252.327

■ 41, 40.218,
270.051

■ 58, 15.769,
250.267

■ 40, 43.343,
273.963

■ 61, 10.960,
248.570

■ 64, 5.982, 247.186

■ 67, 0.870, 246.379

■ 70, 4.342, 64.884

■ 73, 9.625, 64.107

■ 76, 14.955, 63.422

Harmonies

Complementary

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



49, 28.893, 257.810



50, 38.338, 59.633

Rectangle

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



49, 28.893, 257.810



49, 28.893, 307.810



49, 28.893, 77.810



49, 28.893, 127.810

Sweetspot

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



49, 28.892, 257.810



78, 11.993, 248.224



60, 49.099, 152.071



40, 8.208, 248.633



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 28.892, 257.810



59, 41.779, 262.818



35, 56.285, 296.083



33, 2.899, 246.900



35, 39.379, 273.418



2, 4.697, 252.171

Inverse Universe

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



42, 49.595, 345.529



51, 69.624, 347.825



63, 48.456, 99.384



32, 4.679, 340.027



31, 57.292, 353.576



1, 6.941, 342.094

Previews

White Background



This preview shows how the CIE LCh color 49, 28.893, 257.810 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, 28.893, 257.810 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, 28.893, 257.810

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.893, 257.810.

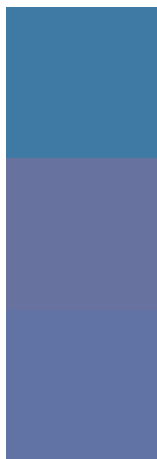


This preview shows how white text looks on a background with the CIELCh color 49, 28.893, 257.810.

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, 28.893, 257.810

Protanopia

49, 26.004, 285.392

Deuteranopia

49, 29.684, 282.781



Tritanopia
49, 23.708, 211.674

Trichromacy



Original Color
49, 28.893, 257.810

Protanomaly
49, 26.461, 273.090

Deuteranomaly
49, 29.373, 274.245

Tritanomaly
49, 23.762, 230.944

Monochromacy



Original Color
49, 28.893, 257.810

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 11.738, 248.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.893, 257.810 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(63, 122, 164)` looks like.

```
.text, #text, p{  
    color:rgb(63, 122, 164)  
}
```

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(63, 122, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 122, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.893, 257.810 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(63, 122, 164) }
```

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

```
.border{ border-color:rgb(63, 122, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 122, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 122, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 122, 164);  
box-shadow:4px 4px 4px 4px rgb(63, 122,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.893, 257.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 122, 164) }
```

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

```
.background{ background-color: rgb(63, 122,  
164) }
```

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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