

Converting Colors

CIELCh(49, 15.542, 270.632)

Have a look what the booklet for
CIELCh(49, 15.542, 270.632)
contains.

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Color

CIELCh(49, 15.563, 270.666)

Conversions

Conversions Part 1

Format	Color
Hex	65758E
RGB	101, 117, 142
RGB Percent	40%, 46%, 56%
CMY	0.6021, 0.5393, 0.4412
CMYK	0.29, 0.18, 0.00, 0.44
HSL	217°, 17%, 48%
HSV	217°, 29%, 56%
XYZ	16.7550, 17.5941, 28.2968
YIQ	115.0660, -17.5610, 4.3830

Conversions

Conversions Part 2

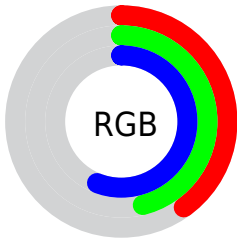
Format	Color
R_{YB}	101, 113, 142
Decimal	6649230
CIE Lab	49.00, 0.18, -15.56
CIE LCh	49, 15.563, 270.666
Yxy	17.5941, 0.2675, 0.2808
Android (android.graphics.Color)	4284839310 (0xFF65758E)
YUV	115.0660, 13.2785, -12.3359
Hunter-Lab	41.9453, -2.1024, -10.6361

Details

The CIELCh color $49, 15.563, 270.666$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $54, 15.996, 82.667$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 15.665, 271.116$, and $29, 15.658, 271.234$ is the 20% darker color. If you saturate the color by 10%, you get $45, 21.043, 272.679$, and if you desaturate by 10%, it is $53, 10.120, 268.944$.

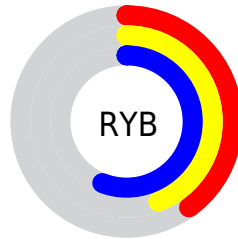
Distribution



Red (40%)

Green (46%)

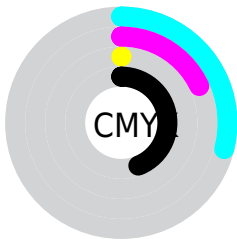
Blue (56%)



Red (40%)

Yellow (44%)

Blue (56%)

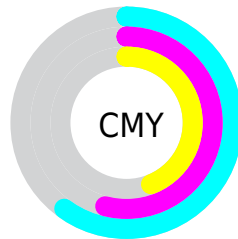


Cyan (29%)

Magenta (18%)

Yellow (0%)

Black (44%)



Cyan (60%)

Magenta (54%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 15.563, 270.666 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, 15.563, 270.666 by changing the saturation by 10% instead.

■ 49, 15.563,
270.666

■ 49, 15.563,
270.666

■ 100, 15.563,
270.666

■ 39, 15.563,
270.666

■ 69, 15.563,
270.666

■ 29, 15.563,
270.666

■ 79, 15.563,
270.666

■ 19, 15.563,
270.666

■ 89, 15.563,
270.666

■ 9, 15.563, 270.666

■ 99, 15.563,
270.666

■ 0, 15.563, 270.666

■ 49, 15.563,

■ 49, 15.563,

270.666

270.666

■ 45, 21.043,
272.679

■ 53, 10.120,
268.944

■ 42, 26.568,
275.033

■ 56, 4.717, 267.488

■ 39, 32.152,
277.760

■ 60, 0.641, 85.824

■ 63, 5.950, 85.027

■ 35, 37.824,
280.875

■ 67, 11.203, 84.085

■ 32, 43.617,
284.350

■ 70, 16.395, 83.251

■ 74, 21.522, 82.512

■ 29, 49.557,
288.094

■ 77, 26.581, 81.855

■ 26, 55.645,
291.820

■ 81, 31.570, 81.268

■ 26, 56.395,
292.233

Harmonies

Complementary

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



49, 15.563, 270.666



54, 15.996, 82.667

Rectangle

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



49, 15.563, 270.666



49, 15.563, 320.666



49, 15.563, 90.666



49, 15.563, 140.666

Sweetspot

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



49, 15.562, 270.664



72, 6.010, 267.541



56, 18.293, 166.720



37, 4.211, 267.721



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 15.562, 270.664



60, 23.590, 272.034



45, 24.621, 296.897



28, 3.037, 267.540



25, 53.987, 292.027



1, 2.045, 266.318

Inverse Universe

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



48, 19.232, 352.893



58, 29.225, 353.783



58, 23.050, 111.829



28, 3.684, 350.782



28, 52.865, 11.135



1, 2.453, 350.023

Previews

White Background



This preview shows how the CIELCh color 49, 15.563, 270.666 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, 15.563, 270.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

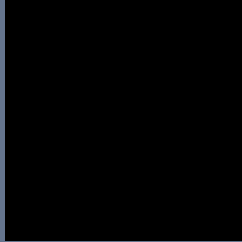
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

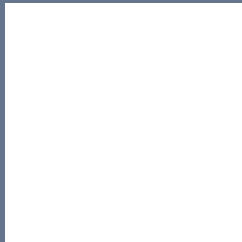
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 15.563, 270.666

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.563, 270.666.



This preview shows how white text looks on a background with the CIELCh color 49, 15.563, 270.666.

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, 15.563, 270.666

Protanopia

49, 15.319, 286.702

Deuteranopia

49, 17.059, 292.394



Tritanopia
49, 9.287, 233.581

Trichromacy



Original Color
49, 15.563, 270.666

Protanomaly
49, 15.462, 281.391

Deuteranomaly
49, 16.546, 284.812

Tritanomaly
49, 11.031, 252.245

Monochromacy



Original Color
49, 15.563, 270.666

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 5.725, 267.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.563, 270.666 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(101, 117, 142)` looks like.

```
.text, #text, p{  
    color:rgb(101, 117, 142)  
}
```

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(101, 117, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 117, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.563, 270.666 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(101, 117, 142) }
```

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

```
.border{ border-color:rgb(101, 117, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 117, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 117, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 117, 142);  
box-shadow:4px 4px 4px 4px rgb(101, 117,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.563, 270.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 117, 142) }
```

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

```
.background{ background-color: rgb(101,  
117, 142) }
```

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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