

Converting Colors

CIELCh(49, 18.252, 279.099)

Have a look what the booklet for
CIELCh(49, 18.252, 279.099)
contains.

CIELCh(49, 18.556, 279.429)	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, 18.556, 279.429)

Conversions

Conversions Part 1

Format	Color
Hex	687493
RGB	104, 116, 147
RGB Percent	41%, 45%, 58%
CMY	0.5915, 0.5444, 0.4228
CMYK	0.29, 0.21, 0.00, 0.42
HSL	223°, 17%, 49%
HSV	223°, 29%, 58%
XYZ	17.2729, 17.5941, 30.1610
YIQ	115.9460, -17.1030, 7.0970

Conversions

Conversions Part 2

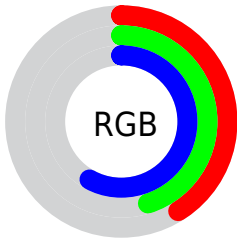
Format	Color
RYB	104, 113, 147
Decimal	6845587
CIELab	49.00, 3.04, -18.31
CIELCh	49, 18.556, 279.429
Yxy	17.5941, 0.2656, 0.2706
Android (android.graphics.Color)	4285035667 (0xFF687493)
YUV	115.9460, 15.3096, -10.4766
Hunter-Lab	41.9453, 0.1013, -13.2711

Details

The CIELCh color $49, 18.556, 279.429$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 18.343, 91.690$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 18.471, 279.206$, and $29, 18.421, 279.006$ is the 20% darker color. If you saturate the color by 10%, you get $45, 25.190, 281.341$, and if you desaturate by 10%, it is $53, 12.074, 277.786$.

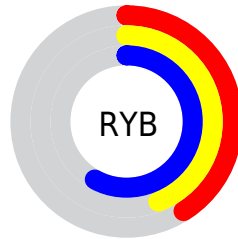
Distribution



Red (41%)

Green (45%)

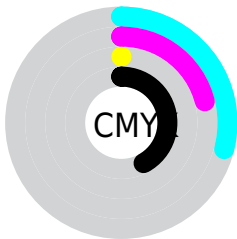
Blue (58%)



Red (41%)

Yellow (44%)

Blue (58%)

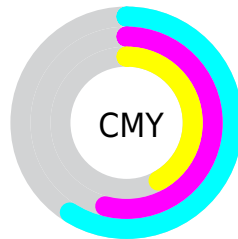


Cyan (29%)

Magenta (21%)

Yellow (0%)

Black (42%)



Cyan (59%)

Magenta (54%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 18.556, 279.429 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, 18.556, 279.429 by changing the saturation by 10% instead.

 49, 18.556,
279.429


 49, 18.556,
279.429


 100, 18.556,
279.429

 39, 18.556,
279.429

 69, 18.556,
279.429

 29, 18.556,
279.429

 79, 18.556,
279.429

 19, 18.556,
279.429

 89, 18.556,
279.429

 9, 18.556, 279.429

 99, 18.556,
279.429

 0, 18.556, 279.429

 49, 18.556,

 49, 18.556,

279.429

279.429

■ 45, 25.190,
281.341

■ 53, 12.074,
277.786

■ 41, 31.998,
283.562

■ 57, 5.734, 276.386

■ 37, 39.000,
286.112

■ 61, 0.471, 94.791

■ 65, 6.548, 94.054

■ 33, 46.216,
288.989

■ 69, 12.499, 93.144

■ 29, 53.634,
292.134

■ 74, 18.327, 92.340

■ 78, 24.035, 91.628

■ 26, 61.165,
295.419

■ 82, 29.625, 90.996

■ 23, 68.591,
298.539

■ 85, 35.101, 90.431

■ 23, 69.158,
298.754

Harmonies

Complementary

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



49, 18.556, 279.429



57, 18.343, 91.690

Rectangle

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



49, 18.556, 279.429



49, 18.556, 329.429



49, 18.556, 99.429



49, 18.556, 149.429

Sweetspot

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



49, 18.555, 279.428



73, 6.929, 276.381



58, 17.510, 174.352



38, 4.859, 276.555



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, 18.555, 279.428



60, 27.720, 280.637



46, 25.854, 300.893



29, 3.527, 276.384



21, 65.485, 298.551



1, 3.059, 275.230

Inverse Universe

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



49, 19.113, 0.553



60, 28.599, 1.479



59, 24.295, 116.742



29, 3.573, 358.217



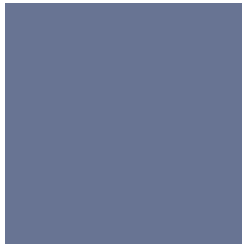
28, 55.563, 21.473



1, 3.066, 357.427

Previews

White Background



This preview shows how the CIELCh color 49, 18.556, 279.429 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, 18.556, 279.429 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

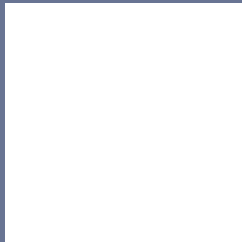
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 18.556, 279.429

Background



This preview shows how black text looks on a background with the CIELCh color 49, 18.556, 279.429.

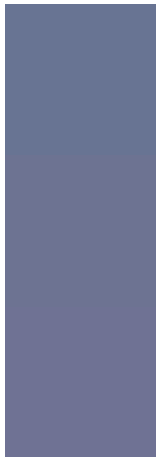


This preview shows how white text looks on a background with the CIELCh color 49, 18.556, 279.429.

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

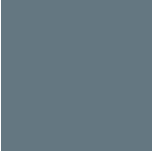
49, 18.556, 279.429

Protanopia

49, 18.286, 285.828

Deuteranopia

49, 19.996, 289.715



Tritanopia
49, 9.057, 239.476

Trichromacy



Original Color
49, 18.556, 279.429

Protanomaly
49, 18.362, 283.662

Deuteranomaly
49, 19.446, 286.425

Tritanomaly
49, 11.904, 262.189

Monochromacy



Original Color
49, 18.556, 279.429

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 6.616, 277.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 18.556, 279.429 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(104, 116, 147)` looks like.

```
.text, #text, p{  
    color:rgb(104, 116, 147)  
}
```

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(104, 116, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 116, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 18.556, 279.429 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(104, 116, 147) }
```

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

```
.border{ border-color:rgb(104, 116, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 116, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 116, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 116, 147);  
box-shadow:4px 4px 4px 4px rgb(104, 116,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 18.556, 279.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 116, 147) }
```

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

```
.background{ background-color: rgb(104,  
116, 147) }
```

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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