

Converting Colors

CIELCh(49, 21.601, 273.646)

Have a look what the booklet for
CIELCh(49, 21.601, 273.646)
contains.

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Color

CIELCh(49, 22.003, 274.252)

Conversions

Conversions Part 1

Format	Color
Hex	607599
RGB	96, 117, 153
RGB Percent	38%, 46%, 60%
CMY	0.6225, 0.5401, 0.3989
CMYK	0.37, 0.23, 0.00, 0.40
HSL	218°, 23%, 49%
HSV	218°, 37%, 60%
XYZ	17.0164, 17.5941, 32.7563
YIQ	114.8250, -24.0720, 6.7440

Conversions

Conversions Part 2

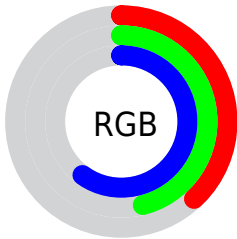
Format	Color
R_{YB}	96, 111, 153
Decimal	6321561
CIE _{Lab}	49.00, 1.63, -21.94
CIE _{LCh}	49, 22.003, 274.252
Yxy	17.5941, 0.2526, 0.2612
Android (android.graphics.Color)	4284511641 (0xFF607599)
YUV	114.8250, 18.8203, -16.5095
Hunter-Lab	41.9453, -0.9900, -16.9397

Details

The CIELCh color $49, 22.003, 274.252$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 22.547, 83.450$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 21.764, 273.668$, and $29, 22.122, 274.327$ is the 20% darker color. If you saturate the color by 10%, you get $45, 28.075, 276.546$, and if you desaturate by 10%, it is $53, 16.001, 272.286$.

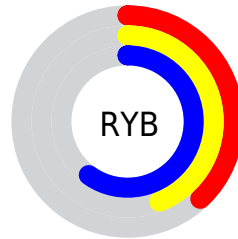
Distribution



Red (38%)

Green (46%)

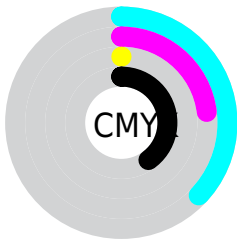
Blue (60%)



Red (38%)

Yellow (44%)

Blue (60%)

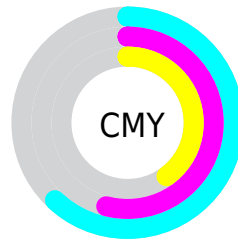


Cyan (37%)

Magenta (23%)

Yellow (0%)

Black (40%)



Cyan (62%)

Magenta (54%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 22.003, 274.252 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, 22.003, 274.252 by changing the saturation by 10% instead.


 49, 22.003,
274.252


 49, 22.003,
274.252


 100, 22.003,
274.252


 39, 22.003,
274.252

 69, 22.003,
274.252


 29, 22.003,
274.252

 79, 22.003,
274.252

 19, 22.003,
274.252

 89, 22.003,
274.252

 9, 22.003, 274.252

 99, 22.003,
274.252

 0, 22.003, 274.252

 49, 22.003,

 49, 22.003,

274.252

274.252

■ 45, 28.075,
276.546

■ 53, 16.001,
272.286

■ 41, 34.238,
279.205

■ 57, 10.064,
270.608

■ 38, 40.519,
282.244

■ 61, 4.191, 269.192

■ 34, 46.950,
285.637

■ 64, 1.616, 87.759

■ 68, 7.353, 86.786

■ 31, 53.549,
289.294

■ 72, 13.016, 85.859

■ 28, 60.282,
292.999

■ 76, 18.601, 85.039

■ 80, 24.106, 84.313

■ 27, 62.192,
293.949

■ 84, 29.528, 83.666

Harmonies

Complementary

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



49, 22.003, 274.252



56, 22.547, 83.450

Rectangle

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



49, 22.003, 274.252



49, 22.003, 324.252



49, 22.003, 94.252



49, 22.003, 144.252

Sweetspot

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



49, 22.002, 274.251



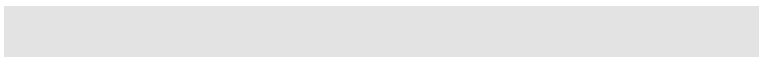
75, 7.938, 269.729



59, 24.480, 166.770



39, 5.323, 269.901



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



49, 22.002, 274.251



59, 33.077, 276.225



44, 34.368, 298.509



30, 3.291, 269.457



25, 57.803, 293.634



1, 3.565, 268.759

Inverse Universe

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



48, 26.268, 355.469



57, 39.354, 356.815



62, 31.439, 111.890



30, 3.852, 352.179



29, 54.555, 13.400



1, 4.086, 351.799

Previews

White Background



This preview shows how the CIE LCh color 49, 22.003, 274.252 looks on a white background.

Color Contrast Check

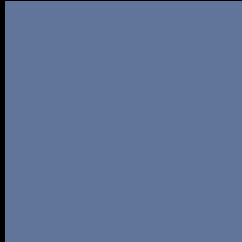
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.003, 274.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

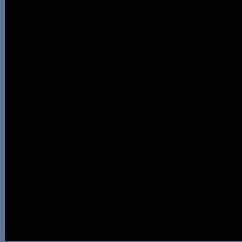
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

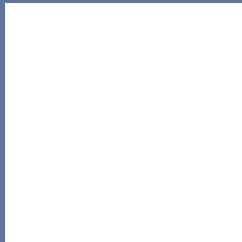
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 22.003, 274.252

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.003, 274.252.



This preview shows how white text looks on a background with the CIELCh color 49, 22.003, 274.252.

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, 22.003, 274.252

Protanopia

49, 21.286, 284.483

Deuteranopia

49, 23.568, 287.363



Tritanopia
49, 12.133, 227.565

Trichromacy



Original Color
49, 22.003, 274.252

Protanomaly
49, 21.510, 280.047

Deuteranomaly
49, 23.140, 282.989

Tritanomaly
49, 14.359, 250.114

Monochromacy



Original Color
49, 22.003, 274.252

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.156, 269.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.003, 274.252 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(96, 117, 153)` looks like.

```
.text, #text, p{  
    color:rgb(96, 117, 153)  
}
```

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(96, 117, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 117, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.003, 274.252 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(96, 117, 153) }
```

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

```
.border{ border-color:rgb(96, 117, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 117, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 117, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 117, 153);  
box-shadow:4px 4px 4px 4px rgb(96, 117,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.003, 274.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 117, 153) }
```

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

```
.background{ background-color: rgb(96, 117,  
153) }
```

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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