

Converting Colors

CIELCh(49, 22.988, 287.120)

Have a look what the booklet for
CIELCh(49, 22.988, 287.120)
contains.

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Color

CIELCh(49, 22.988, 287.120)

Conversions

Conversions Part 1

Format	Color
Hex	6B7299
RGB	107, 114, 153
RGB Percent	42%, 45%, 60%
CMY	0.5787, 0.5513, 0.3983
CMYK	0.30, 0.25, 0.00, 0.40
HSL	231°, 18%, 51%
HSV	231°, 30%, 60%
XYZ	17.9638, 17.5941, 32.7761
YIQ	116.3530, -16.6910, 10.6450

Conversions

Conversions Part 2

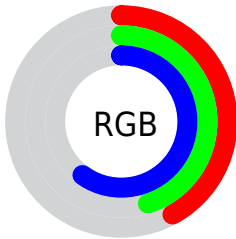
Format	Color
R_{YB}	107, 113, 153
Decimal	7041689
CIE Lab	49.00, 6.77, -21.97
CIE LCh	49, 22.988, 287.120
Yxy	17.5941, 0.2629, 0.2575
Android (android.graphics.Color)	4285231769 (0xFF6B7299)
YUV	116.3530, 18.0670, -8.2026
Hunter-Lab	41.9453, 3.0417, -16.9676

Details

The CIELCh color `49, 22.988, 287.120` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `60, 21.977, 99.872`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 22.605, 286.445`, and `29, 23.259, 287.637` is the 20% darker color. If you saturate the color by 10%, you get `44, 31.187, 288.904`, and if you desaturate by 10%, it is `54, 15.071, 285.589`.

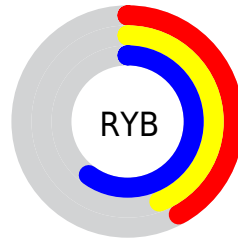
Distribution



Red (42%)

Green (45%)

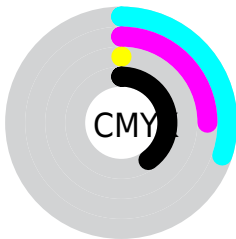
Blue (60%)



Red (42%)

Yellow (44%)

Blue (60%)

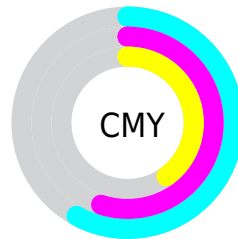


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (40%)



Cyan (58%)

Magenta (55%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.988, 287.120 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, 22.988, 287.120 by changing the saturation by 10% instead.

■ 49, 22.988,
287.120

■ 49, 22.988,
287.120

■ 100, 22.988,
287.120

■ 39, 22.988,
287.120

■ 69, 22.988,
287.120

■ 29, 22.988,
287.120

■ 79, 22.988,
287.120

■ 19, 22.988,
287.120

■ 89, 22.988,
287.120

■ 9, 22.988, 287.120

■ 99, 22.988,
287.120

■ 0, 22.988, 287.120

■ 49, 22.988,

■ 49, 22.988,

287.120

287.120

■ 44, 31.187,
288.904

■ 54, 15.071,
285.589

■ 39, 39.692,
290.968

■ 59, 7.416, 284.283

■ 35, 48.508,
293.316

■ 63, 0.002, 347.506

■ 68, 7.190, 102.154

■ 30, 57.582,
295.909

■ 73, 14.170,
101.321

■ 26, 66.720,
298.636

■ 78, 20.952,
100.591

■ 23, 75.457,
301.291

■ 82, 27.545, 99.952

■ 20, 83.040,
303.514

■ 87, 33.959, 99.388

■ 91, 40.203, 98.889

■ 20, 83.047,
303.516

Harmonies

Complementary

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



49, 22.988, 287.120



60, 21.977, 99.872

Rectangle

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



49, 22.988, 287.120



49, 22.988, 337.120



49, 22.988, 107.120



49, 22.988, 157.120

Sweetspot

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



49, 22.987, 287.119



75, 8.244, 284.186



60, 17.269, 183.228



38, 5.725, 284.347



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, 22.987, 287.119



59, 34.486, 288.287



48, 27.787, 304.910



30, 4.180, 284.191



18, 77.296, 303.335



1, 4.473, 283.281

Inverse Universe

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



50, 19.716, 10.140



61, 29.695, 11.142



61, 26.274, 121.431



30, 3.503, 7.715



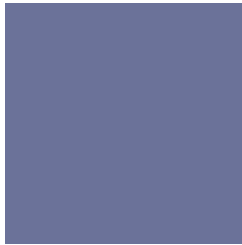
29, 60.734, 31.577



1, 3.690, 7.179

Previews

White Background



This preview shows how the CIE LCh color 49, 22.988, 287.120 looks on a white background.

Color Contrast Check

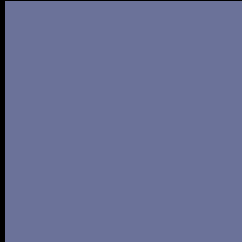
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.988, 287.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

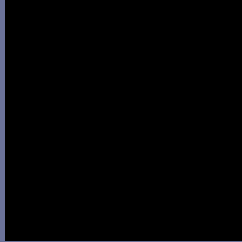
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

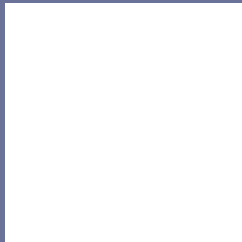
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 22.988, 287.120

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.988, 287.120.



This preview shows how white text looks on a background with the CIELCh color 49, 22.988, 287.120.

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

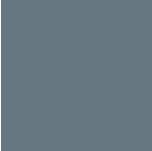
49, 22.988, 287.120

Protanopia

49, 23.016, 285.428

Deuteranopia

49, 22.988, 287.120



Tritanopia
49, 8.530, 242.625

Trichromacy



Original Color
49, 22.988, 287.120

Protanomaly
49, 22.982, 286.256

Deuteranomaly
49, 22.988, 287.120

Tritanomaly
49, 13.071, 270.586

Monochromacy



Original Color
49, 22.988, 287.120

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 8.245, 285.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.988, 287.120 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(107, 114, 153)` looks like.

```
.text, #text, p{  
    color:rgb(107, 114, 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(107, 114, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 114, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.988, 287.120 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(107, 114, 153) }
```

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

```
.border{ border-color:rgb(107, 114, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 114, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 114, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 114, 153); box-shadow:4px 4px 4px 4px rgb(107, 114, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.988, 287.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 114, 153) }
```

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

```
.background{ background-color: rgb(107,  
114, 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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