

Converting Colors

CIELCh(49, 21.795, 286.576)

Have a look what the booklet for
CIELCh(49, 21.795, 286.576)
contains.

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Color

CIELCh(49, 21.795, 286.576)

Conversions

Conversions Part 1

Format	Color
Hex	6C7398
RGB	108, 115, 152
RGB Percent	42%, 45%, 60%
CMY	0.5780, 0.5505, 0.4055
CMYK	0.29, 0.24, 0.00, 0.41
HSL	230°, 18%, 51%
HSV	230°, 29%, 59%
XYZ	17.8609, 17.5941, 31.9901
YIQ	117.1250, -16.0490, 10.0230

Conversions

Conversions Part 2

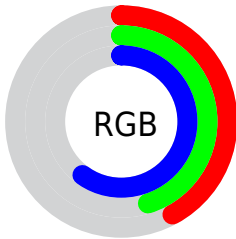
Format	Color
R _Y B	108, 114, 152
Decimal	7107480
CIE Lab	49.00, 6.22, -20.89
CIE LCh	49, 21.795, 286.576
Yxy	17.5941, 0.2648, 0.2609
Android (android.graphics.Color)	4285297560 (0xFF6C7398)
YUV	117.1250, 17.1934, -8.0026
Hunter-Lab	41.9453, 2.6036, -15.8566

Details

The CIELCh color $49, 21.795, 286.576$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 20.905, 99.563$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 21.494, 285.987$, and $29, 21.947, 286.864$ is the 20% darker color. If you saturate the color by 10%, you get $44, 29.807, 288.339$, and if you desaturate by 10%, it is $54, 14.053, 285.062$.

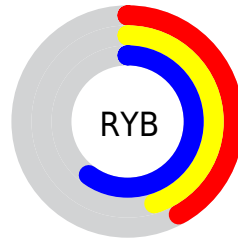
Distribution



Red (42%)

Green (45%)

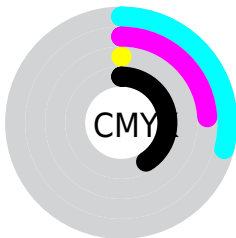
Blue (60%)



Red (42%)

Yellow (45%)

Blue (60%)

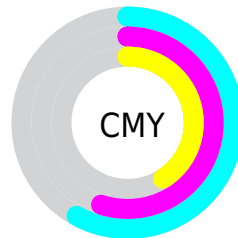


Cyan (29%)

Magenta (24%)

Yellow (0%)

Black (41%)



Cyan (58%)


Magenta (55%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 21.795, 286.576 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, 21.795, 286.576 by changing the saturation by 10% instead.


 49, 21.795,
286.576


 49, 21.795,
286.576


 100, 21.795,
286.576


 39, 21.795,
286.576

 69, 21.795,
286.576


 29, 21.795,
286.576

 79, 21.795,
286.576

 19, 21.795,
286.576

 89, 21.795,
286.576

 9, 21.795, 286.576

 99, 21.795,
286.576

 0, 21.795, 286.576

 49, 21.795,

 49, 21.795,

286.576

■ 44, 29.807,
288.339

■ 40, 38.115,
290.383

■ 35, 46.726,
292.713

■ 31, 55.604,
295.300

■ 26, 64.592,
298.044

■ 23, 73.291,
300.756

■ 20, 81.010,
303.104

■ 20, 81.695,
303.292

286.576

■ 54, 14.053,
285.062

■ 58, 6.561, 283.772

■ 63, 0.700, 102.482

■ 68, 7.745, 101.663

■ 72, 14.588,
100.835

■ 77, 21.240,
100.110

■ 82, 27.710, 99.474

■ 86, 34.007, 98.913

■ 91, 40.139, 98.415

Harmonies

Complementary

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



49, 21.795, 286.576



60, 20.905, 99.563

Rectangle

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



49, 21.795, 286.576



49, 21.795, 336.576



49, 21.795, 106.576



49, 21.795, 156.576

Sweetspot

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



49, 21.794, 286.575



74, 8.092, 283.792



59, 16.585, 183.323



38, 5.678, 283.955



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, 21.794, 286.575



59, 32.829, 287.723



48, 26.575, 304.836



30, 4.147, 283.798



18, 76.761, 303.130



1, 4.439, 282.890

Inverse Universe

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



50, 18.858, 9.441



61, 28.521, 10.418



61, 25.181, 121.486



30, 3.511, 7.145



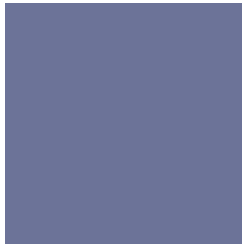
29, 60.445, 31.078



1, 3.698, 6.611

Previews

White Background



This preview shows how the CIELCh color 49, 21.795, 286.576 looks on a white background.

Color Contrast Check

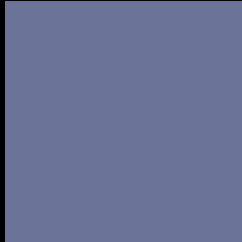
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.795, 286.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

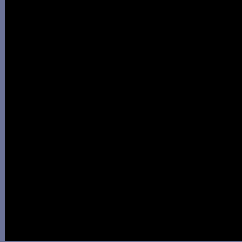
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

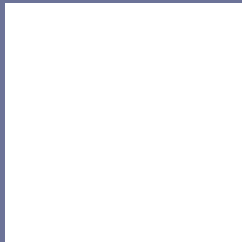
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 21.795, 286.576

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.795, 286.576.



This preview shows how white text looks on a background with the CIELCh color 49, 21.795, 286.576.

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, 21.795, 286.576

Protanopia

49, 21.863, 284.812

Deuteranopia

49, 22.360, 288.603



Tritanopia
49, 7.901, 241.094

Trichromacy



Original Color
49, 21.795, 286.576

Protanomaly
49, 21.826, 285.690

Deuteranomaly
49, 22.382, 287.732

Tritanomaly
49, 12.416, 271.000

Monochromacy



Original Color
49, 21.795, 286.576

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, 21.795, 286.576 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(108, 115, 152)` looks like.

```
.text, #text, p{  
    color:rgb(108, 115, 152)  
}
```

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(108, 115, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 115, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.795, 286.576 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(108, 115, 152) }
```

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

```
.border{ border-color:rgb(108, 115, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 115, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 115, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 115, 152);  
box-shadow:4px 4px 4px 4px rgb(108, 115,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.795, 286.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 115, 152) }
```

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

```
.background{ background-color: rgb(108,  
115, 152) }
```

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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