

Converting Colors

CIELCh(48, 21.540, 286.223)

Have a look what the booklet for
CIELCh(48, 21.540, 286.223)
contains.

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Color

CIELCh(48, 21.894, 286.663)

Conversions

Conversions Part 1

Format	Color
Hex	697095
RGB	105, 112, 149
RGB Percent	41%, 44%, 58%
CMY	0.5878, 0.5604, 0.4152
CMYK	0.30, 0.25, 0.00, 0.42
HSL	230°, 17%, 50%
HSV	230°, 30%, 58%
XYZ	17.0774, 16.7945, 30.8217
YIQ	114.1250, -16.0490, 10.0230

Conversions

Conversions Part 2

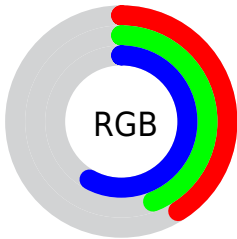
Format	Color
R_{YB}	105, 111, 149
Decimal	6910101
CIE Lab	48.00, 6.28, -20.97
CIE LCh	48, 21.894, 286.663
Yxy	16.7945, 0.2640, 0.2596
Android (android.graphics.Color)	4285100181 (0xFF697095)
YUV	114.1250, 17.1934, -8.0026
Hunter-Lab	40.9810, 2.6669, -15.9051

Details

The CIELCh color `48, 21.894, 286.663` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `59, 20.983, 99.525`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 21.564, 286.034`, and `28, 22.102, 287.076` is the 20% darker color. If you saturate the color by 10%, you get `43, 29.813, 288.436`, and if you desaturate by 10%, it is `53, 14.242, 285.141`.

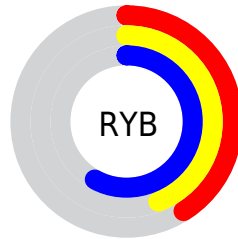
Distribution



Red (41%)

Green (44%)

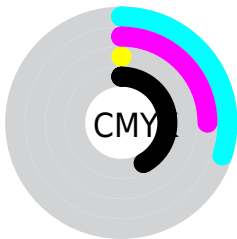
Blue (58%)



Red (41%)

Yellow (44%)

Blue (58%)

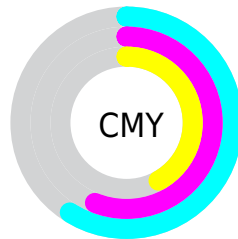


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (42%)



Cyan (59%)

Magenta (56%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 21.894, 286.663 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 48, 21.894, 286.663 by changing the saturation by 10% instead.

 48, 21.894,
286.663

 48, 21.894,
286.663

 100, 21.894,
286.663

 38, 21.894,
286.663

 68, 21.894,
286.663

 28, 21.894,
286.663

 78, 21.894,
286.663

 18, 21.894,
286.663

 88, 21.894,
286.663

 8, 21.894, 286.663

 98, 21.894,
286.663

 0, 21.894, 286.663

 48, 21.894,

 48, 21.894,

286.663

■ 43, 29.813,
288.436

■ 39, 38.025,
290.488

■ 34, 46.535,
292.827

■ 30, 55.306,
295.419

■ 26, 64.173,
298.161

■ 22, 72.733,
300.862

■ 19, 80.303,
303.173

■ 19, 80.637,
303.265

286.663

■ 53, 14.242,
285.141

■ 57, 6.837, 283.842

■ 62, 0.338, 102.382

■ 67, 7.301, 101.721

■ 71, 14.064,
100.889

■ 76, 20.638,
100.160

■ 80, 27.031, 99.521

■ 85, 33.254, 98.957

■ 89, 39.314, 98.457

Harmonies

Complementary

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



48, 21.894, 286.663



59, 20.983, 99.525

Rectangle

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



48, 21.894, 286.663



48, 21.894, 336.663



48, 21.894, 106.663



48, 21.894, 156.663

Sweetspot

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



48, 21.893, 286.662



73, 8.008, 283.803



58, 16.624, 183.280



38, 5.559, 283.963



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



48, 21.893, 286.662



58, 32.489, 287.730



47, 26.687, 304.870



29, 4.032, 283.805



17, 75.658, 303.096



1, 3.482, 282.757

Inverse Universe

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



49, 18.945, 9.521



60, 28.217, 10.430



60, 25.264, 121.461



29, 3.412, 7.158



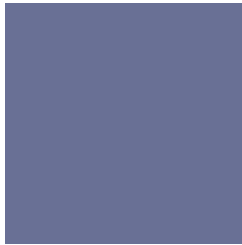
28, 59.599, 30.996



1, 2.911, 6.419

Previews

White Background



This preview shows how the CIELCh color 48, 21.894, 286.663 looks on a white background.

Color Contrast Check

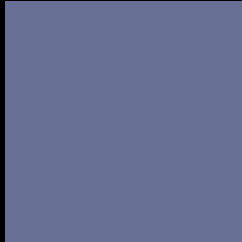
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 21.894, 286.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

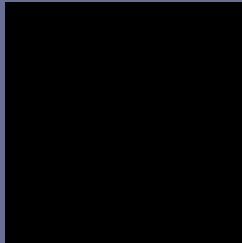
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

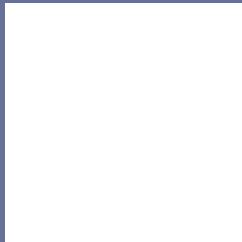
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 21.894, 286.663

Background



This preview shows how black text looks on a background with the CIELCh color 48, 21.894, 286.663.



This preview shows how white text looks on a background with the CIELCh color 48, 21.894, 286.663.

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

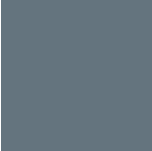
48, 21.894, 286.663

Protanopia

48, 21.925, 285.782

Deuteranopia

48, 21.867, 287.552



Tritanopia
48, 8.303, 244.417

Trichromacy



Original Color
48, 21.894, 286.663

Protanomaly
48, 21.925, 285.782

Deuteranomaly
48, 21.867, 287.552

Tritanomaly
48, 12.034, 268.306

Monochromacy



Original Color
48, 21.894, 286.663

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 8.283, 285.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 21.894, 286.663 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(105, 112, 149)` looks like.

```
.text, #text, p{  
    color:rgb(105, 112, 149)  
}
```

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(105, 112, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 112, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 21.894, 286.663 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(105, 112, 149) }
```

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

```
.border{ border-color:rgb(105, 112, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 112, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 112, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 112, 149);  
box-shadow:4px 4px 4px 4px rgb(105, 112,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 21.894, 286.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 112, 149) }
```

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

```
.background{ background-color: rgb(105,  
112, 149) }
```

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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