

Converting Colors

CIELCh(48, 23.829, 282.650)

Have a look what the booklet for
CIELCh(48, 23.829, 282.650)
contains.

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Color

CIELCh(48, 23.829, 282.650)

Conversions

Conversions Part 1

Format	Color
Hex	647199
RGB	100, 113, 153
RGB Percent	39%, 44%, 60%
CMY	0.6081, 0.5572, 0.4003
CMYK	0.35, 0.26, 0.00, 0.40
HSL	225°, 21%, 50%
HSV	225°, 35%, 60%
XYZ	16.8858, 16.7945, 32.4522
YIQ	113.6730, -20.5880, 9.6840

Conversions

Conversions Part 2

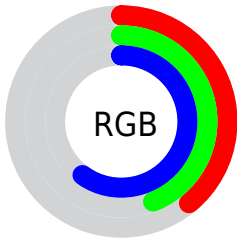
Format	Color
R_{YB}	100, 110, 153
Decimal	6582681
CIE _{Lab}	48.00, 5.22, -23.25
CIE _{LCh}	48, 23.829, 282.650
Yxy	16.7945, 0.2553, 0.2540
Android (android.graphics.Color)	4284772761 (0xFF647199)
YUV	113.6730, 19.3882, -11.9912
Hunter-Lab	40.9810, 1.8320, -18.2641

Details

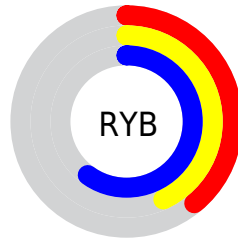
The CIELCh color `48, 23.829, 282.650` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `58, 23.203, 93.410`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 23.404, 281.875`, and `28, 24.218, 282.902` is the 20% darker color. If you saturate the color by 10%, you get `44, 31.126, 284.689`, and if you desaturate by 10%, it is `52, 16.734, 280.896`.

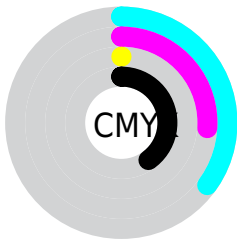
Distribution



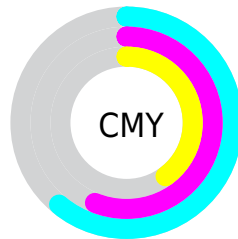
- Red (39%)
- Green (44%)
- Blue (60%)



- Red (39%)
- Yellow (43%)
- Blue (60%)



- Cyan (35%)
- Magenta (26%)
- Yellow (0%)
- Black (40%)



- Cyan (61%)
- Magenta (56%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 23.829, 282.650 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, 23.829, 282.650 by changing the saturation by 10% instead.


 48, 23.829,
282.650


 48, 23.829,
282.650


 100, 23.829,
282.650


 38, 23.829,
282.650

 68, 23.829,
282.650


 28, 23.829,
282.650

 78, 23.829,
282.650

 18, 23.829,
282.650

 88, 23.829,
282.650

 8, 23.829, 282.650

 98, 23.829,
282.650

 0, 23.829, 282.650

 48, 23.829,

 48, 23.829,

282.650

282.650

■ 44, 31.126,
284.689

■ 52, 16.734,
280.896

■ 39, 38.652,
287.042

■ 57, 9.826, 279.395

■ 35, 46.422,
289.714

■ 61, 3.089, 278.131

■ 66, 3.487, 96.920

■ 31, 54.427,
292.666

■ 70, 9.908, 95.976

■ 27, 62.569,
295.788

■ 74, 16.180, 95.134

■ 78, 22.309, 94.392

■ 24, 70.585,
298.886

■ 83, 28.299, 93.735

■ 22, 74.691,
300.348

■ 87, 34.154, 93.151

Harmonies

Complementary

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



48, 23.829, 282.650



58, 23.203, 93.410

Rectangle

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



48, 23.829, 282.650



48, 23.829, 332.650



48, 23.829, 102.650



48, 23.829, 152.650

Sweetspot

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



48, 23.828, 282.649



75, 8.263, 278.800



59, 20.713, 176.192



38, 5.631, 278.966



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



48, 23.828, 282.649



57, 36.178, 284.294



46, 32.027, 302.517



30, 3.767, 278.676



20, 69.604, 300.111



1, 4.050, 277.816

Inverse Universe

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



48, 23.343, 3.796



58, 35.410, 5.140



61, 29.759, 117.783



30, 3.620, 0.647



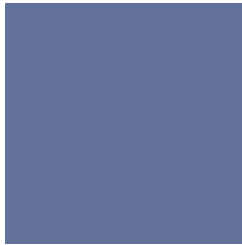
29, 57.335, 24.469



1, 3.826, 0.158

Previews

White Background



This preview shows how the CIELCh color 48, 23.829, 282.650 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, 23.829, 282.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

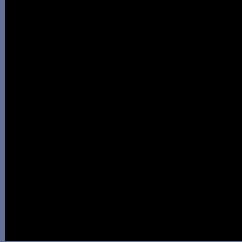
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

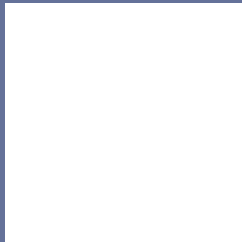
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 23.829, 282.650

Background



This preview shows how black text looks on a background with the CIELCh color 48, 23.829, 282.650.

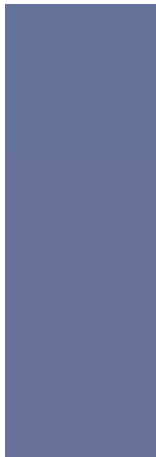


This preview shows how white text looks on a background with the CIELCh color 48, 23.829, 282.650.

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, 23.829, 282.650

Protanopia

48, 23.734, 285.025

Deuteranopia

48, 24.278, 286.099



Tritanopia
48, 10.178, 230.188

Trichromacy



Original Color
48, 23.829, 282.650

Protanomaly
48, 23.774, 284.239

Deuteranomaly
48, 24.312, 285.328

Tritanomaly
48, 13.570, 259.820

Monochromacy



Original Color
48, 23.829, 282.650

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 8.429, 278.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 23.829, 282.650 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(100, 113, 153)` looks like.

```
.text, #text, p{  
    color:rgb(100, 113, 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(100, 113, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 113, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 23.829, 282.650 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(100, 113, 153) }
```

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

```
.border{ border-color:rgb(100, 113, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 113, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 113, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 113, 153);  
box-shadow:4px 4px 4px 4px rgb(100, 113,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 23.829, 282.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 113, 153) }
```

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

```
.background{ background-color: rgb(100,  
113, 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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