

Converting Colors

CIELCh(48, 22.767, 284.812)

Have a look what the booklet for
CIELCh(48, 22.767, 284.812)
contains.

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Color

CIELCh(48, 23.119, 285.527)

Conversions

Conversions Part 1

Format	Color
Hex	677097
RGB	103, 112, 151
RGB Percent	40%, 44%, 59%
CMY	0.5950, 0.5597, 0.4067
CMYK	0.32, 0.26, 0.00, 0.41
HSL	229°, 19%, 50%
HSV	229°, 32%, 59%
XYZ	17.0612, 16.7945, 31.7467
YIQ	113.7550, -17.8830, 10.2210

Conversions

Conversions Part 2

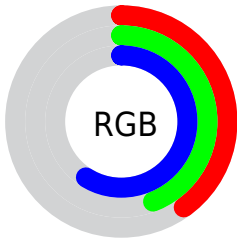
Format	Color
R_YB	103, 111, 151
Decimal	6779031
CIE Lab	48.00, 6.19, -22.28
CIE LCh	48, 23.119, 285.527
Yxy	16.7945, 0.2601, 0.2560
Android (android.graphics.Color)	4284969111 (0xFF677097)
YUV	113.7550, 18.3618, -9.4321
Hunter-Lab	40.9810, 2.5964, -17.2433

Details

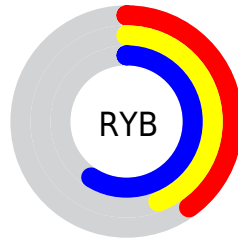
The CIELCh color `48, 23.119, 285.527` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `59, 22.220, 97.573`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 22.717, 284.816`, and `28, 23.434, 286.214` is the 20% darker color. If you saturate the color by 10%, you get `43, 30.897, 287.399`, and if you desaturate by 10%, it is `53, 15.592, 283.918`.

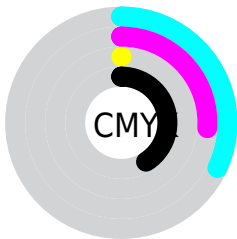
Distribution



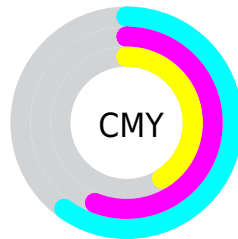
- Red (40%)
- Green (44%)
- Blue (59%)



- Red (40%)
- Yellow (44%)
- Blue (59%)



- Cyan (32%)
- Magenta (26%)
- Yellow (0%)
- Black (41%)





- Cyan (60%)
- Magenta (56%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 23.119, 285.527 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, 23.119, 285.527 by changing the saturation by 10% instead.


 48, 23.119,
285.527


 48, 23.119,
285.527


 100, 23.119,
285.527


 38, 23.119,
285.527

 68, 23.119,
285.527


 28, 23.119,
285.527

 78, 23.119,
285.527

 18, 23.119,
285.527

 88, 23.119,
285.527

 8, 23.119, 285.527

 98, 23.119,
285.527

 0, 23.119, 285.527

 48, 23.119,

 48, 23.119,

285.527

■ 43, 30.897,
287.399

■ 39, 38.949,
289.563

■ 34, 47.287,
292.024

■ 30, 55.874,
294.742

■ 26, 64.561,
297.610

■ 23, 72.970,
300.431

■ 20, 79.293,
302.445

285.527

■ 53, 15.592,
283.918

■ 57, 8.296, 282.543

■ 62, 1.214, 281.441

■ 66, 5.670, 100.294

■ 71, 12.365, 99.417

■ 75, 18.883, 98.645

■ 80, 25.230, 97.967

■ 84, 31.415, 97.369

■ 89, 37.444, 96.838

Harmonies

Complementary

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



48, 23.119, 285.527



59, 22.220, 97.573

Rectangle

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



48, 23.119, 285.527



48, 23.119, 335.527



48, 23.119, 105.527



48, 23.119, 155.527

Sweetspot

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



48, 23.118, 285.526



74, 8.727, 282.351



59, 18.332, 180.367



38, 6.012, 282.512



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, 23.118, 285.526



58, 34.624, 286.812



47, 29.047, 303.920



30, 4.020, 282.233



19, 74.591, 302.269



1, 4.309, 281.337

Inverse Universe

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



49, 20.812, 7.690



59, 31.241, 8.782



60, 27.290, 120.005



30, 3.541, 4.983



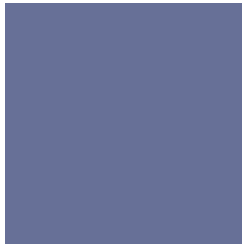
29, 59.362, 29.064



1, 3.735, 4.459

Previews

White Background



This preview shows how the CIELCh color 48, 23.119, 285.527 looks on a white background.

Color Contrast Check

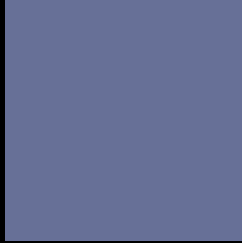
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 23.119, 285.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

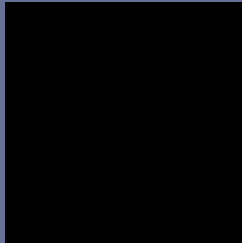
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 23.119, 285.527

Background



This preview shows how black text looks on a background with the CIELCh color 48, 23.119, 285.527.



This preview shows how white text looks on a background with the CIELCh color 48, 23.119, 285.527.

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

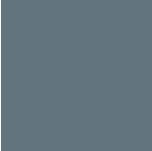
48, 23.119, 285.527

Protanopia

48, 23.119, 285.527

Deuteranopia

48, 23.086, 286.350



Tritanopia
48, 8.745, 236.327

Trichromacy



Original Color
48, 23.119, 285.527

Protanomaly
48, 23.119, 285.527

Deuteranomaly
48, 23.086, 286.350

Tritanomaly
48, 12.827, 266.569

Monochromacy



Original Color
48, 23.119, 285.527

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 8.904, 283.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 23.119, 285.527 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(103, 112, 151)` looks like.

```
.text, #text, p{  
    color:rgb(103, 112, 151)  
}
```

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(103, 112, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 112, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 23.119, 285.527 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(103, 112, 151) }
```

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

```
.border{ border-color:rgb(103, 112, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 112, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 112, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 112, 151);  
box-shadow:4px 4px 4px 4px rgb(103, 112,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 23.119, 285.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 112, 151) }
```

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

```
.background{ background-color: rgb(103,  
112, 151) }
```

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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