

Converting Colors

CIELCh(41, 23.582, 249.342)

Have a look what the booklet for
CIELCh(41, 23.582, 249.342)
contains.

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Color

CIELCh(41, 23.582, 249.342)

Conversions

Conversions Part 1

Format	Color
Hex	2F6684
RGB	47, 102, 132
RGB Percent	18%, 40%, 52%
CMY	0.8140, 0.5986, 0.4809
CMYK	0.64, 0.23, 0.00, 0.48
HSL	201°, 47%, 35%
HSV	201°, 64%, 52%
XYZ	10.1697, 11.8645, 23.7202
YIQ	88.9750, -42.4100, -2.3300

Conversions

Conversions Part 2

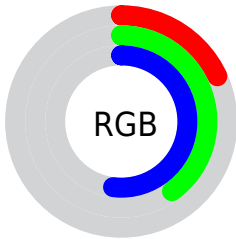
Format	Color
RYB	47, 80, 132
Decimal	3106436
CIELab	41.00, -8.32, -22.07
CIElCh	41, 23.582, 249.342
Yxy	11.8645, 0.2223, 0.2593
Android (android.graphics.Color)	4281296516 (0xFF2F6684)
YUV	88.9750, 21.2113, -36.8121
Hunter-Lab	34.4449, -7.5775, -16.7180

Details

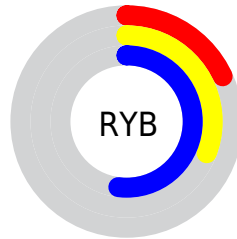
The CIELCh color **41, 23.582, 249.342** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 34.034, 53.658**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 23.461, 249.137**, and **21, 21.564, 256.585** is the 20% darker color. If you saturate the color by 10%, you get **39, 26.296, 252.718**, and if you desaturate by 10%, it is **43, 20.582, 246.536**.

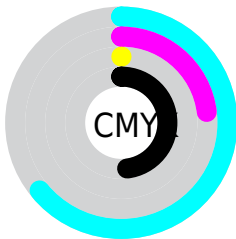
Distribution



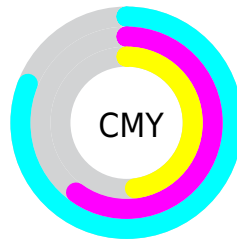
- Red (18%)
- Green (40%)
- Blue (52%)



- Red (18%)
- Yellow (31%)
- Blue (52%)



- Cyan (64%)
- Magenta (23%)
- Yellow (0%)
- Black (48%)





- Cyan (81%)
- Magenta (60%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 23.582, 249.342 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 41, 23.582, 249.342 by changing the saturation by 10% instead.


 41, 23.582,
249.342


 41, 23.582,
249.342


 100, 23.582,
249.342


 31, 23.582,
249.342

 61, 23.582,
249.342


 21, 23.582,
249.342

 71, 23.582,
249.342

 11, 23.582,
249.342


 81, 23.582,
249.342

 1, 23.582, 249.342

 91, 23.582,
249.342

 0, 23.582, 249.342

 41, 23.582,

 41, 23.582,

249.342

■ 39, 26.296,
252.718

■ 37, 28.766,
256.697

■ 36, 31.074,
261.231

■ 35, 32.457,
263.822

249.342

■ 43, 20.582,
246.536

■ 45, 17.293,
244.233

■ 47, 13.734,
242.357

■ 50, 9.937, 240.837

■ 52, 5.939, 239.617

■ 54, 1.779, 238.741

■ 57, 2.509, 57.574

■ 59, 6.892, 56.981

■ 62, 11.345, 56.437

Harmonies

Complementary

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



41, 23.582, 249.342



39, 34.034, 53.658

Rectangle

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



41, 23.582, 249.342



41, 23.582, 299.342



41, 23.582, 69.342



41, 23.582, 119.342

Sweetspot

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



41, 23.581, 249.342



64, 9.713, 240.222



49, 44.629, 149.783



33, 6.704, 240.534



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



41, 23.581, 249.342



49, 33.072, 254.443



28, 46.378, 294.248



27, 2.387, 239.111



34, 32.008, 263.725



0, 0.580, 238.192

Inverse Universe

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



34, 44.754, 342.176



41, 61.679, 344.195



50, 40.610, 96.244



26, 4.112, 337.119



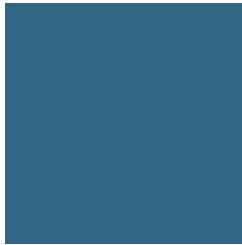
28, 54.575, 348.190



0, 0.977, 336.523

Previews

White Background



This preview shows how the CIELCh color 41, 23.582, 249.342 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 41, 23.582, 249.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

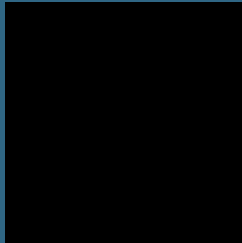
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 23.582, 249.342

Background



This preview shows how black text looks on a background with the CIELCh color 41, 23.582, 249.342.

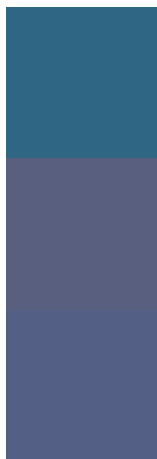


This preview shows how white text looks on a background with the CIELCh color 41, 23.582, 249.342.

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

41, 23.582, 249.342

Protanopia

41, 19.523, 285.698

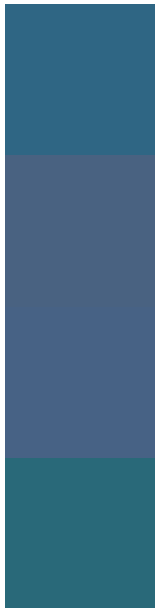
Deuteranopia

41, 23.839, 284.611



Tritanopia
41, 21.291, 210.431

Trichromacy



Original Color
41, 23.582, 249.342

Protanomaly
41, 20.241, 268.387

Deuteranomaly
41, 22.588, 270.265

Tritanomaly
41, 21.159, 225.053

Monochromacy



Original Color
41, 23.582, 249.342

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 9.939, 241.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 23.582, 249.342 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(47, 102, 132)` looks like.

```
.text, #text, p{  
    color:rgb(47, 102, 132)  
}
```

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(47, 102, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 102, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 23.582, 249.342 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(47, 102, 132) }
```

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

```
.border{ border-color:rgb(47, 102, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 102, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 102, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 102, 132);  
box-shadow:4px 4px 4px 4px rgb(47, 102,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 23.582, 249.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 102, 132) }
```

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

```
.background{ background-color: rgb(47, 102,  
132) }
```

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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