

Converting Colors

CIELCh(41, 22.648, 249.010)

Have a look what the booklet for
CIELCh(41, 22.648, 249.010)
contains.

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Color

CIELCh(41, 22.806, 249.313)

Conversions

Conversions Part 1

Format	Color
Hex	326683
RGB	50, 102, 131
RGB Percent	20%, 40%, 51%
CMY	0.8031, 0.5993, 0.4855
CMYK	0.62, 0.22, 0.00, 0.49
HSL	201°, 45%, 36%
HSV	201°, 62%, 51%
XYZ	10.2035, 11.8645, 23.2910
YIQ	89.7580, -40.3010, -2.0050

Conversions

Conversions Part 2

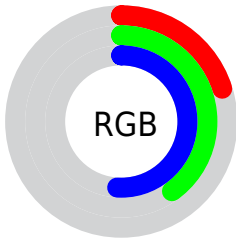
Format	Color
RYB	50, 82, 131
Decimal	3303043
CIELab	41.00, -8.06, -21.34
CIElCh	41, 22.806, 249.313
Yxy	11.8645, 0.2249, 0.2616
Android (android.graphics.Color)	4281493123 (0xFF326683)
YUV	89.7580, 20.3323, -34.8678
Hunter-Lab	34.4449, -7.4022, -15.9793

Details

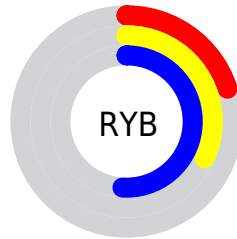
The CIELCh color **41, 22.806, 249.313** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 32.208, 54.245**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 22.747, 249.078**, and **21, 21.113, 255.060** is the 20% darker color. If you saturate the color by 10%, you get **39, 25.606, 252.560**, and if you desaturate by 10%, it is **43, 19.726, 246.619**.

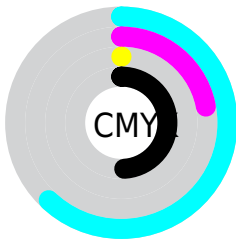
Distribution



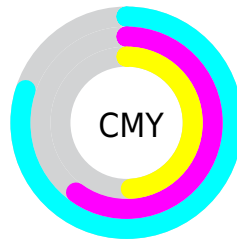
- Red (20%)
- Green (40%)
- Blue (51%)



- Red (20%)
- Yellow (32%)
- Blue (51%)



- Cyan (62%)
- Magenta (22%)
- Yellow (0%)
- Black (49%)





- Cyan (80%)
- Magenta (60%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 22.806, 249.313 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, 22.806, 249.313 by changing the saturation by 10% instead.


 41, 22.806,
249.313


 41, 22.806,
249.313


 100, 22.806,
249.313


 31, 22.806,
249.313

 61, 22.806,
249.313


 21, 22.806,
249.313

 71, 22.806,
249.313

 11, 22.806,
249.313


 81, 22.806,
249.313

 1, 22.806, 249.313

 91, 22.806,
249.313

 0, 22.806, 249.313

 41, 22.806,

 41, 22.806,

249.313

■ 39, 25.606,
252.560

■ 37, 28.159,
256.402

■ 35, 30.532,
260.824

■ 34, 32.511,
264.548

249.313

■ 43, 19.726,
246.619

■ 45, 16.370,
244.409

■ 47, 12.759,
242.608

■ 50, 8.925, 241.148

■ 52, 4.905, 239.980

■ 54, 0.737, 239.398

■ 57, 3.547, 58.026

■ 59, 7.918, 57.415

■ 62, 12.350, 56.878

Harmonies

Complementary

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



41, 22.806, 249.313



39, 32.208, 54.245

Rectangle

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



41, 22.806, 249.313



41, 22.806, 299.313



41, 22.806, 69.313



41, 22.806, 119.313

Sweetspot

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



41, 22.805, 249.313



64, 9.727, 240.856



49, 42.844, 150.156



33, 6.715, 241.173



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, 22.805, 249.313



50, 32.325, 254.012



29, 44.088, 293.625



27, 2.390, 239.726



34, 32.290, 264.500



0, 0.581, 238.793

Inverse Universe

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



34, 42.972, 342.135



41, 60.172, 344.015



50, 38.953, 96.518



26, 4.098, 337.335



28, 54.432, 348.566



0, 0.974, 336.736

Previews

White Background



This preview shows how the CIE LCh color 41, 22.806, 249.313 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, 22.806, 249.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

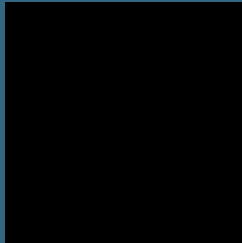
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 41, 22.806, 249.313

Background



This preview shows how black text looks on a background with the CIELCh color 41, 22.806, 249.313.

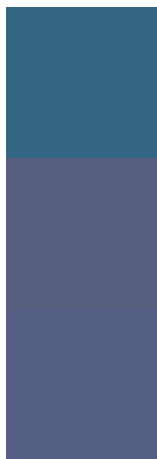


This preview shows how white text looks on a background with the CIELCh color 41, 22.806, 249.313.

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, 22.806, 249.313

Protanopia

41, 18.925, 285.345

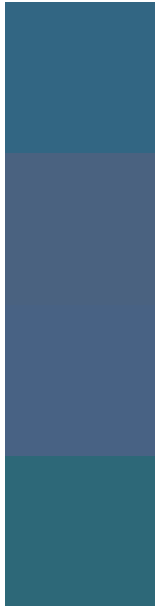
Deuteranopia

41, 23.207, 285.055



Tritanopia
41, 20.330, 213.002

Trichromacy



Original Color
41, 22.806, 249.313

Protanomaly
41, 19.598, 268.291

Deuteranomaly
41, 21.951, 270.179

Tritanomaly
41, 20.254, 226.528

Monochromacy



Original Color
41, 22.806, 249.313

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 9.434, 244.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 22.806, 249.313 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(50, 102, 131)` looks like.

```
.text, #text, p{  
    color:rgb(50, 102, 131)  
}
```

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(50, 102, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 102, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 22.806, 249.313 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(50, 102, 131) }
```

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

```
.border{ border-color:rgb(50, 102, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 102, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 102, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 102, 131);  
box-shadow:4px 4px 4px 4px rgb(50, 102,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 22.806, 249.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 102, 131) }
```

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

```
.background{ background-color: rgb(50, 102,  
131) }
```

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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