

Converting Colors

CIELCh(41, 16.404, 222.721)

Have a look what the booklet for
CIELCh(41, 16.404, 222.721)
contains.

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Color

CIELCh(41, 16.450, 221.959)

Conversions

Conversions Part 1

Format	Color
Hex	3A6772
RGB	58, 103, 114
RGB Percent	23%, 40%, 45%
CMY	0.7718, 0.5953, 0.5522
CMYK	0.49, 0.10, 0.00, 0.55
HSL	192°, 32%, 34%
HSV	192°, 49%, 45%
XYZ	9.6750, 11.8645, 17.7592
YIQ	90.7990, -30.3510, -6.1190

Conversions

Conversions Part 2

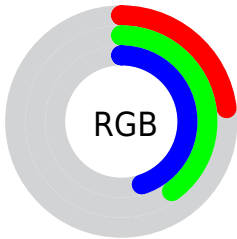
Format	Color
R _{YB}	58, 83, 114
Decimal	3827570
CIE Lab	41.00, -12.23, -11.00
CIE LCh	41, 16.450, 221.959
Yxy	11.8645, 0.2462, 0.3019
Android (android.graphics.Color)	4282017650 (0xFF3A6772)
YUV	90.7990, 11.4381, -28.7647
Hunter-Lab	34.4449, -10.1412, -6.4575

Details

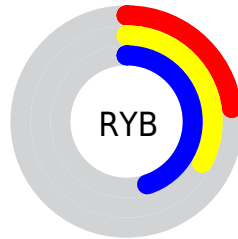
The CIELCh color **41, 16.450, 221.959** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 23.297, 39.372**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 16.473, 222.592**, and **21, 16.455, 221.566** is the 20% darker color. If you saturate the color by 10%, you get **40, 18.823, 223.260**, and if you desaturate by 10%, it is **42, 13.678, 220.968**.

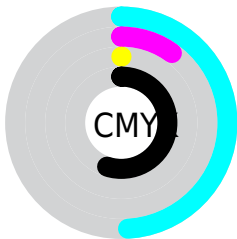
Distribution



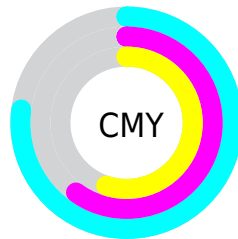
- Red (23%)
- Green (40%)
- Blue (45%)



- Red (23%)
- Yellow (33%)
- Blue (45%)



- Cyan (49%)
- Magenta (10%)
- Yellow (0%)
- Black (55%)





- Cyan (77%)
- Magenta (60%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 16.450, 221.959 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, 16.450, 221.959 by changing the saturation by 10% instead.


 41, 16.450,
221.959


 41, 16.450,
221.959


 100, 16.450,
221.959


 31, 16.450,
221.959

 61, 16.450,
221.959


 21, 16.450,
221.959

 71, 16.450,
221.959


 11, 16.450,
221.959


 81, 16.450,
221.959

 1, 16.450, 221.959

 91, 16.450,
221.959

 0, 16.450, 221.959

 41, 16.450,

 41, 16.450,

221.959

■ 40, 18.823,
223.260

■ 39, 20.760,
224.943

■ 38, 22.244,
227.079

■ 37, 23.292,
229.736

■ 36, 24.088,
232.723

■ 36, 24.169,
233.003

221.959

■ 42, 13.678,
220.968

■ 44, 10.556,
220.237

■ 45, 7.139, 219.717

■ 47, 3.477, 219.397

■ 48, 0.378, 38.093

■ 50, 4.385, 38.820

■ 52, 8.507, 38.792

■ 53, 12.711, 38.800

■ 55, 16.974, 38.847

Harmonies

Complementary

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



41, 16.450, 221.959



34, 23.297, 39.372

Rectangle

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



41, 16.450, 221.959



41, 16.450, 271.959



41, 16.450, 41.959



41, 16.450, 91.959

Sweetspot

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



41, 16.450, 221.957



58, 7.023, 219.575



43, 35.316, 145.932



29, 4.740, 219.635



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



41, 16.450, 221.957



51, 23.064, 223.482



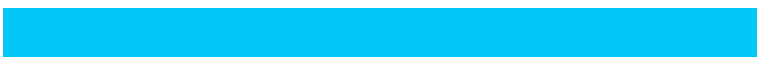
32, 24.579, 280.636



23, 2.134, 219.396



37, 25.025, 233.216



74, 42.935, 235.576

Inverse Universe

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



33, 34.967, 333.475



40, 50.606, 334.268



42, 24.467, 86.344



22, 3.998, 330.901



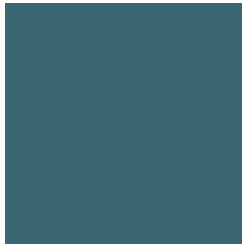
26, 57.079, 337.508



56, 96.701, 338.159

Previews

White Background



This preview shows how the CIELCh color 41, 16.450, 221.959 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 41, 16.450, 221.959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

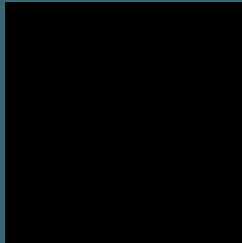
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

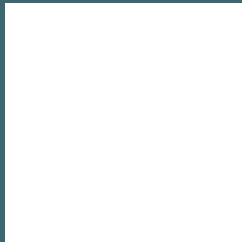
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 16.450, 221.959

Background



This preview shows how black text looks on a background with the CIELCh color 41, 16.450, 221.959.

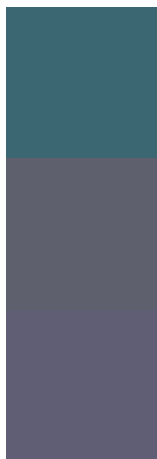


This preview shows how white text looks on a background with the CIELCh color 41, 16.450, 221.959.

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, 16.450, 221.959

Protanopia

41, 7.919, 285.659

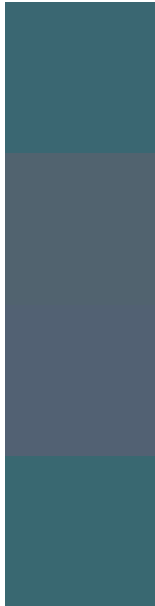
Deuteranopia

41, 13.425, 295.443



Tritanopia
41, 16.633, 214.761

Trichromacy



Original Color
41, 16.450, 221.959

Protanomaly
41, 9.779, 247.282

Deuteranomaly
41, 12.098, 264.423

Tritanomaly
41, 16.715, 216.908

Monochromacy



Original Color
41, 16.450, 221.959

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 6.708, 220.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 16.450, 221.959 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(58, 103, 114)` looks like.

```
.text, #text, p{  
    color:rgb(58, 103, 114)  
}
```

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(58, 103, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 103, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 16.450, 221.959 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(58, 103, 114) }
```

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

```
.border{ border-color:rgb(58, 103, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 103, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 103, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 103, 114);  
box-shadow:4px 4px 4px 4px rgb(58, 103,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 16.450, 221.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 103, 114) }
```

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

```
.background{ background-color: rgb(58, 103,  
114) }
```

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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