

Converting Colors

CIELCh(41, 19.185, 224.345)

Have a look what the booklet for
CIELCh(41, 19.185, 224.345)
contains.

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Color

CIELCh(41, 19.157, 224.197)

Conversions

Conversions Part 1

Format	Color
Hex	316876
RGB	49, 104, 118
RGB Percent	19%, 41%, 46%
CMY	0.8078, 0.5921, 0.5372
CMYK	0.58, 0.12, 0.00, 0.54
HSL	192°, 41%, 33%
HSV	192°, 58%, 46%
XYZ	9.4894, 11.8645, 18.9331
YIQ	89.1510, -37.2740, -7.3060

Conversions

Conversions Part 2

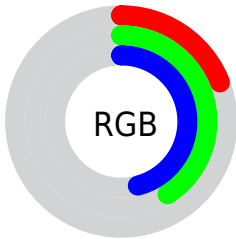
Format	Color
R_{YB}	49, 80, 118
Decimal	3238006
CIE _{Lab}	41.00, -13.73, -13.35
CIE _{LCh}	41, 19.157, 224.197
Yxy	11.8645, 0.2355, 0.2945
Android (android.graphics.Color)	4281428086 (0xFF316876)
YUV	89.1510, 14.2226, -35.2124
Hunter-Lab	34.4449, -11.1026, -8.4780

Details

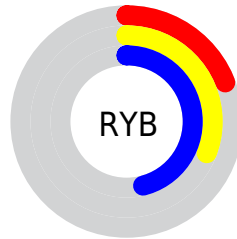
The CIELCh color **41, 19.157, 224.197** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 29.465, 40.434**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 19.061, 224.569**, and **21, 17.163, 228.234** is the 20% darker color. If you saturate the color by 10%, you get **40, 21.172, 225.940**, and if you desaturate by 10%, it is **42, 16.698, 222.843**.

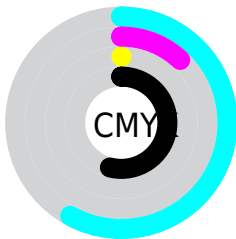
Distribution



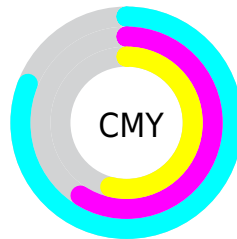
- Red (19%)
- Green (41%)
- Blue (46%)



- Red (19%)
- Yellow (31%)
- Blue (46%)



- Cyan (58%)
- Magenta (12%)
- Yellow (0%)
- Black (54%)





- Cyan (81%)
- Magenta (59%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 19.157, 224.197 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, 19.157, 224.197 by changing the saturation by 10% instead.


 41, 19.157,
224.197


 41, 19.157,
224.197


 100, 19.157,
224.197


 31, 19.157,
224.197

 61, 19.157,
224.197


 21, 19.157,
224.197

 71, 19.157,
224.197


 11, 19.157,
224.197


 81, 19.157,
224.197

 1, 19.157, 224.197

 91, 19.157,
224.197

 0, 19.157, 224.197

 41, 19.157,

 41, 19.157,

224.197

■ 40, 21.172,
225.940

■ 39, 22.729,
228.150

■ 38, 23.842,
230.896

■ 37, 24.674,
234.030

■ 37, 24.807,
234.499

224.197

■ 42, 16.698,
222.843

■ 44, 13.835,
221.813

■ 45, 10.618,
221.047

■ 47, 7.102, 220.498

■ 48, 3.341, 220.156

■ 50, 0.617, 39.179

■ 52, 4.726, 39.532

■ 53, 8.951, 39.482

■ 55, 13.258, 39.471

Harmonies

Complementary

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



41, 19.157, 224.197



33, 29.465, 40.434

Rectangle

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



41, 19.157, 224.197



41, 19.157, 274.197



41, 19.157, 44.197



41, 19.157, 94.197

Sweetspot

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



41, 19.157, 224.196



60, 8.564, 220.497



44, 42.117, 145.304



30, 5.876, 220.608



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



41, 19.157, 224.196



51, 26.230, 226.609



30, 31.122, 284.197



24, 2.207, 220.168



38, 25.472, 234.662



75, 43.425, 237.024

Inverse Universe

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



32, 41.727, 334.403



38, 58.799, 335.390



42, 30.358, 86.384



23, 4.132, 331.133



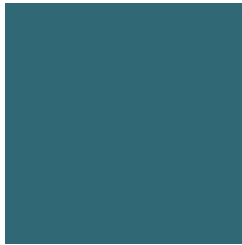
27, 57.662, 337.905



57, 96.976, 338.567

Previews

White Background



This preview shows how the CIE LCh color 41, 19.157, 224.197 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, 19.157, 224.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

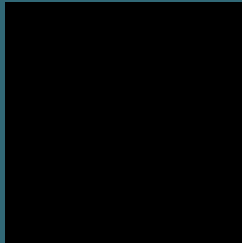
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

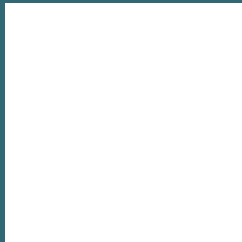
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 19.157, 224.197

Background



This preview shows how black text looks on a background with the CIELCh color 41, 19.157, 224.197.

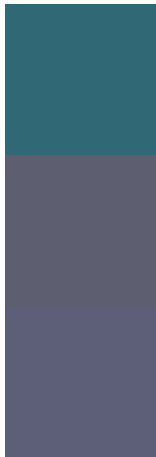


This preview shows how white text looks on a background with the CIELCh color 41, 19.157, 224.197.

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, 19.157, 224.197

Protanopia

41, 10.352, 287.439

Deuteranopia

41, 15.817, 291.178



Tritanopia
41, 19.264, 212.080

Trichromacy



Original Color
41, 19.157, 224.197

Protanomaly
40, 12.169, 252.325

Deuteranomaly
41, 14.541, 260.887

Tritanomaly
41, 19.146, 216.080

Monochromacy



Original Color
41, 19.157, 224.197

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 8.455, 224.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 19.157, 224.197 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(49, 104, 118)` looks like.

```
.text, #text, p{  
    color:rgb(49, 104, 118)  
}
```

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(49, 104, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 104, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 19.157, 224.197 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(49, 104, 118) }
```

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

```
.border{ border-color:rgb(49, 104, 118) }
```

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

Here you see how a box with a 4 pixel rgb(49, 104, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 104, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 104, 118);  
box-shadow:4px 4px 4px 4px rgb(49, 104,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 19.157, 224.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 104, 118) }
```

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

```
.background{ background-color: rgb(49, 104,  
118) }
```

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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