

Converting Colors

CIELCh(41, 9.563, 230.249)

Have a look what the booklet for
CIELCh(41, 9.563, 230.249) contains.

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Color

CIELCh(41, 9.494, 229.500)

Conversions

Conversions Part 1

Format	Color
Hex	4E646C
RGB	78, 100, 108
RGB Percent	31%, 39%, 42%
CMY	0.6934, 0.6071, 0.5757
CMYK	0.28, 0.07, 0.00, 0.58
HSL	196°, 16%, 37%
HSV	196°, 28%, 42%
XYZ	10.4490, 11.8645, 15.9797
YIQ	94.3340, -15.6800, -2.1760

Conversions

Conversions Part 2

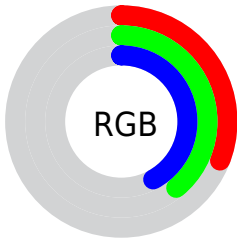
Format	Color
R_{YB}	78, 91, 108
Decimal	5137516
CIE _{Lab}	41.00, -6.17, -7.22
CIE _{LCh}	41, 9.494, 229.500
Yxy	11.8645, 0.2729, 0.3098
Android (android.graphics.Color)	4283327596 (0xFF4E646C)
YUV	94.3340, 6.7373, -14.3249
Hunter-Lab	34.4449, -6.1300, -3.3943

Details

The CIELCh color **41, 9.494, 229.500** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 11.194, 46.266**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 9.352, 227.687**, and **21, 9.604, 232.788** is the 20% darker color. If you saturate the color by 10%, you get **39, 12.518, 230.630**, and if you desaturate by 10%, it is **43, 6.234, 228.618**.

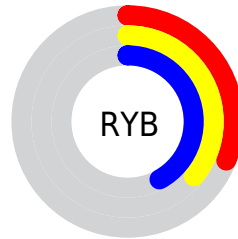
Distribution



Red (31%)

Green (39%)

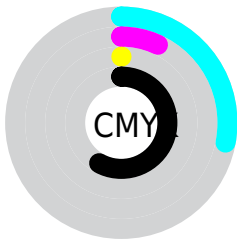
Blue (42%)



Red (31%)

Yellow (36%)

Blue (42%)

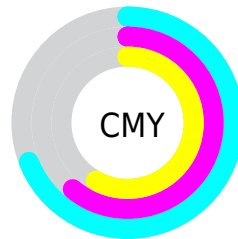


Cyan (28%)

Magenta (7%)

Yellow (0%)

Black (58%)



Cyan (69%)

Magenta (61%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 9.494, 229.500 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, 9.494, 229.500 by changing the saturation by 10% instead.

■ 41, 9.494, 229.500

■ 41, 9.494, 229.500

■ 100, 9.494,
229.500

■ 31, 9.494, 229.500

■ 61, 9.494, 229.500

■ 21, 9.494, 229.500

■ 71, 9.494, 229.500

■ 11, 9.494, 229.500

■ 81, 9.494, 229.500

■ 1, 9.494, 229.500

■ 91, 9.494, 229.500

■ 0, 9.494, 229.500

■ 41, 9.494, 229.500

■ 41, 9.494, 229.500

■ 39, 12.518,
230.630

■ 43, 6.234, 228.618

■ 38, 15.265,

■ 44, 2.781, 227.989

232.078

46, 0.827, 46.931

36, 17.695,
233.907

48, 4.556, 46.848

35, 19.782,
236.195

50, 8.375, 46.569

34, 21.519,
239.019

52, 12.262, 46.347

33, 22.928,
242.442

53, 16.194, 46.181

31, 24.154,
246.245

55, 20.156, 46.061

31, 24.447,
247.065

57, 24.135, 45.978

Harmonies

Complementary

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



41, 9.494, 229.500



39, 11.194, 46.266

Rectangle

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



41, 9.494, 229.500



41, 9.494, 279.500



41, 9.494, 49.500



41, 9.494, 99.500

Sweetspot

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



41, 9.494, 229.495



57, 3.556, 228.012



43, 18.431, 150.351



29, 2.540, 228.075



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



41, 9.494, 229.495



51, 13.719, 230.160



37, 14.134, 280.951



21, 1.998, 228.049



34, 25.963, 247.534



69, 45.531, 250.584

Inverse Universe

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



37, 18.343, 334.766



46, 26.975, 335.205



43, 13.882, 94.057



21, 3.657, 333.493



25, 53.547, 341.782



55, 91.198, 342.824

Previews

White Background



This preview shows how the CIELCh color 41, 9.494, 229.500 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, 9.494, 229.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

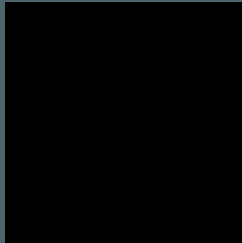
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

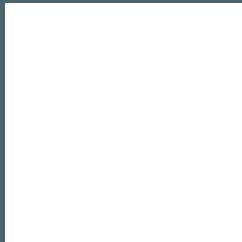
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 9.494, 229.500

Background



This preview shows how black text looks on a background with the CIELCh color 41, 9.494, 229.500.



This preview shows how white text looks on a background with the CIELCh color 41, 9.494, 229.500.

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, 9.494, 229.500

Protanopia

41, 5.467, 291.005

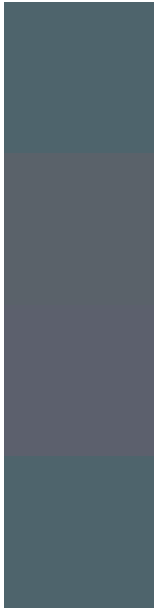
Deuteranopia

41, 9.469, 306.167



Tritanopia
41, 9.494, 229.500

Trichromacy



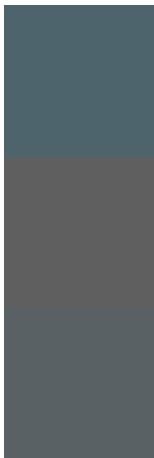
Original Color
41, 9.494, 229.500

Protanomaly
41, 5.725, 257.384

Deuteranomaly
41, 8.018, 280.098

Tritanomaly
41, 9.494, 229.500

Monochromacy



Original Color
41, 9.494, 229.500

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 3.677, 228.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 9.494, 229.500 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(78, 100, 108)` looks like.

```
.text, #text, p{  
    color:rgb(78, 100, 108)  
}
```

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(78, 100, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 100, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 9.494, 229.500 is called "border". The border property can be set on classes, ids or directly on the HTML element.

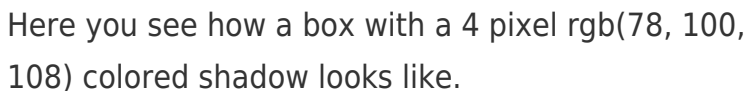
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 100, 108) }
```

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

```
.border{ border-color:rgb(78, 100, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(78, 100, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(78, 100, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(78, 100, 108); box-shadow:4px 4px 4px 4px rgb(78, 100, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 9.494, 229.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 100, 108) }
```

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

```
.background{ background-color: rgb(78, 100,  
108) }
```

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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