

Converting Colors

CIELCh(42, 9.928, 218.397)

Have a look what the booklet for
CIELCh(42, 9.928, 218.397) contains.

CIELCh(42, 9.990, 219.812)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 9.990, 219.812)

Conversions

Conversions Part 1

Format	Color
Hex	4E676D
RGB	78, 103, 109
RGB Percent	31%, 40%, 43%
CMY	0.6930, 0.5949, 0.5714
CMYK	0.28, 0.05, 0.00, 0.57
HSL	192°, 17%, 37%
HSV	192°, 28%, 43%
XYZ	10.8201, 12.5000, 16.3927
YIQ	96.2090, -16.8260, -3.4340

Conversions

Conversions Part 2

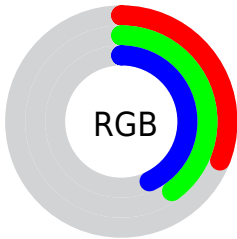
Format	Color
R_{YB}	78, 92, 109
Decimal	5138285
CIE Lab	42.00, -7.67, -6.40
CIE LCh	42, 9.990, 219.812
Yxy	12.5000, 0.2725, 0.3148
Android (android.graphics.Color)	4283328365 (0xFF4E676D)
YUV	96.2090, 6.3060, -15.9693
Hunter-Lab	35.3553, -7.2442, -2.7414

Details

The CIELCh color **42, 9.990, 219.812** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 12.002, 38.529**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 9.886, 218.666**, and **22, 9.983, 221.952** is the 20% darker color. If you saturate the color by 10%, you get **41, 13.029, 220.497**, and if you desaturate by 10%, it is **43, 6.670, 219.322**.

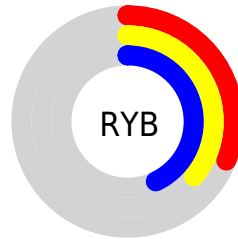
Distribution



Red (31%)

Green (40%)

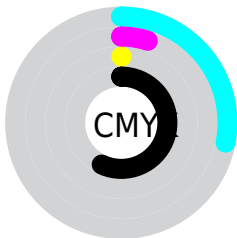
Blue (43%)



Red (31%)

Yellow (36%)

Blue (43%)

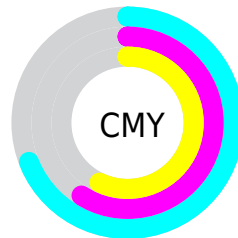


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (57%)



Cyan (69%)

Magenta (59%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 9.990, 219.812 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 42, 9.990, 219.812 by changing the saturation by 10% instead.

■ 42, 9.990, 219.812

■ 42, 9.990, 219.812

■ 100, 9.990,
219.812

■ 32, 9.990, 219.812

■ 62, 9.990, 219.812

■ 22, 9.990, 219.812

■ 72, 9.990, 219.812

■ 12, 9.990, 219.812

■ 82, 9.990, 219.812

■ 2, 9.990, 219.812

■ 92, 9.990, 219.812

■ 0, 9.990, 219.812

■ 42, 9.990, 219.812

■ 42, 9.990, 219.812

■ 41, 13.029,
220.497

■ 43, 6.670, 219.322

■ 39, 15.735,

■ 45, 3.118, 219.034

221.433

46, 0.618, 38.131

38, 18.059,
222.672

48, 4.497, 38.493

37, 19.966,
224.276

50, 8.485, 38.478

36, 21.436,
226.315

51, 12.551, 38.497

35, 22.479,
228.857

53, 16.672, 38.554

55, 20.829, 38.643

34, 23.265,
231.735

57, 25.004, 38.755

34, 23.399,
232.188

Harmonies

Complementary

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



42, 9.990, 219.812



38, 12.002, 38.529

Rectangle

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



42, 9.990, 219.812



42, 9.990, 269.812



42, 9.990, 39.812



42, 9.990, 89.812

Sweetspot

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



42, 9.990, 219.807



58, 4.166, 219.049



43, 19.972, 147.988



29, 2.867, 219.072



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 9.990, 219.807



53, 14.567, 220.234



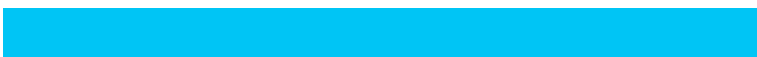
37, 13.461, 276.434



22, 2.055, 219.044



37, 24.617, 232.505



74, 42.537, 234.900

Inverse Universe

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



37, 19.905, 332.001



46, 29.642, 332.420



43, 13.469, 89.028



21, 3.853, 330.793



26, 56.345, 337.315



56, 96.167, 337.971

Previews

White Background



This preview shows how the CIELCh color 42, 9.990, 219.812 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 42, 9.990, 219.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

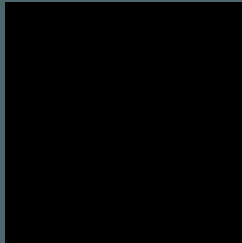
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

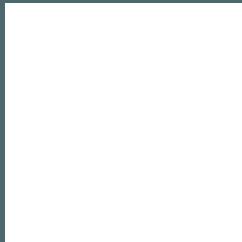
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 9.990, 219.812

Background



This preview shows how black text looks on a background with the CIELCh color 42, 9.990, 219.812.



This preview shows how white text looks on a background with the CIELCh color 42, 9.990, 219.812.

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

42, 9.990, 219.812

Protanopia

42, 4.843, 290.903

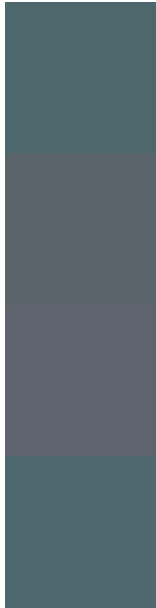
Deuteranopia

42, 9.546, 308.491



Tritanopia
42, 10.069, 227.349

Trichromacy



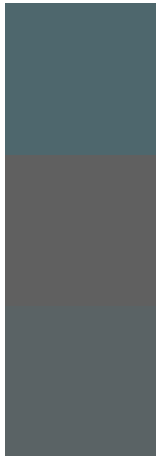
Original Color
42, 9.990, 219.812

Protanomaly
42, 5.458, 250.181

Deuteranomaly
42, 6.892, 274.611

Tritanomaly
42, 9.852, 224.038

Monochromacy



Original Color
42, 9.990, 219.812

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 3.804, 217.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 9.990, 219.812 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, 103, 109)` looks like.

```
.text, #text, p{  
    color:rgb(78, 103, 109)  
}
```

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, 103, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 103, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 9.990, 219.812 is called "border". The border property can be set on classes, ids or directly on the HTML element.

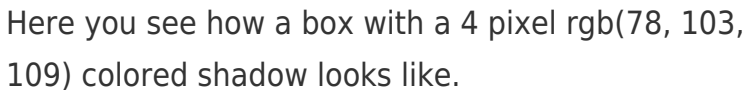
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 103, 109) }
```

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

```
.border{ border-color:rgb(78, 103, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(78, 103, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(78, 103, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(78, 103, 109); box-shadow:4px 4px 4px 4px rgb(78, 103, 109) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 9.990, 219.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 103, 109) }
```

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

```
.background{ background-color: rgb(78, 103,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor