

# Converting Colors

CIELCh(41, 9.935, 275.980)

Have a look what the booklet for  
CIELCh(41, 9.935, 275.980) contains.

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# Color

**CIELCh(41, 10.002, 276.069)**

# Conversions

Conversions Part 1	
Format	Color
Hex	5A6171
RGB	90, 97, 113
RGB Percent	35%, 38%, 44%
CMY	0.6478, 0.6204, 0.5577
CMYK	0.20, 0.14, 0.00, 0.56
HSL	222°, 11%, 40%
HSV	222°, 20%, 44%
XYZ	11.4231, 11.8645, 17.2510
YIQ	96.7310, -9.3080, 3.4920

# Conversions

## Conversions Part 2

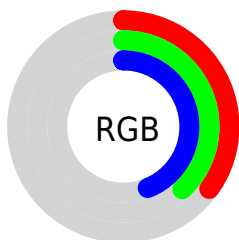
Format	Color
<a href="#">RYB</a>	<a href="#">90, 95, 113</a>
Decimal	<a href="#">5923185</a>
CIELab	<a href="#">41.00, 1.06, -9.95</a>
CIELCh	<a href="#">41, 10.002, 276.069</a>
Yxy	<a href="#">11.8645, 0.2818, 0.2927</a>
Android (android.graphics.Color)	<a href="#">4284113265</a> (0xFF5A6171)
YUV	<a href="#">96.7310, 8.0206, -5.9031</a>
Hunter-Lab	<a href="#">34.4449, -1.0819, -5.5827</a>

# Details

The CIELCh color  $41, 10.002, 276.069$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $45, 9.978, 90.951$ , and the grayscale version is  $41, 0.006, 296.813$ .

A 20% lighter version of the original color is  $61, 9.931, 274.210$ , and  $21, 9.779, 275.444$  is the 20% darker color. If you saturate the color by 10%, you get  $38, 15.045, 277.703$ , and if you desaturate by 10%, it is  $44, 5.051, 274.663$ .

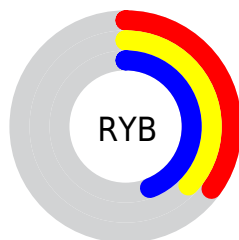
# Distribution



Red (35%)

Green (38%)

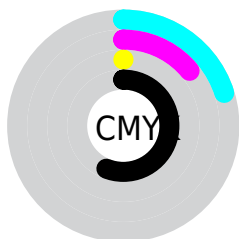
Blue (44%)



Red (35%)

Yellow (37%)

Blue (44%)

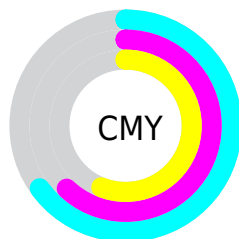


Cyan (20%)

Magenta (14%)

Yellow (0%)

Black (56%)



Cyan (65%)

Magenta (62%)


Yellow (56%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 10.002, 276.069 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, 10.002, 276.069 by changing the saturation by 10% instead.





 41, 10.002,  
276.069


 41, 10.002,  
276.069


 100, 10.002,  
276.069


 31, 10.002,  
276.069

 61, 10.002,  
276.069


 21, 10.002,  
276.069

 71, 10.002,  
276.069


 11, 10.002,  
276.069


 81, 10.002,  
276.069

 1, 10.002, 276.069

 91, 10.002,  
276.069

 0, 10.002, 276.069

 41, 10.002,

 41, 10.002,

276.069

276.069

38, 15.045,  
277.703

44, 5.051, 274.663

35, 20.190,  
279.605

47, 0.191, 274.171

31, 25.448,  
281.806

51, 4.582, 92.309

28, 30.837,  
284.329

54, 9.269, 91.393

25, 36.375,  
287.176

57, 13.870, 90.579

22, 42.066,  
290.303

60, 18.386, 89.856

20, 47.876,  
293.604

63, 22.819, 89.213

17, 53.506,  
296.541

66, 27.169, 88.636

70, 31.437, 88.117



# Harmonies

# Complementary

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



41, 10.002, 276.069



45, 9.978, 90.951

# Rectangle

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



41, 10.002, 276.069



41, 10.002, 326.069



41, 10.002, 96.069



41, 10.002, 146.069

# Sweetspot

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



41, 10.001, 276.065



59, 3.633, 274.143



46, 10.176, 173.004



30, 2.395, 274.196



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, 10.001, 276.065



52, 14.760, 276.733



39, 14.215, 298.882



22, 2.721, 274.486



19, 56.260, 296.783



41, 101.800, 298.753



# Inverse Universe

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



41, 10.665, 357.593



51, 15.789, 358.085



47, 13.632, 115.993



22, 2.869, 356.391



24, 49.515, 18.351



52, 86.031, 21.848



# Previews

## White Background



This preview shows how the CIELCh color 41, 10.002, 276.069 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, 10.002, 276.069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

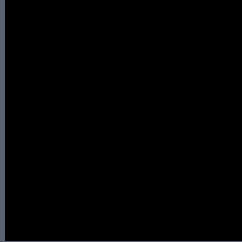
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

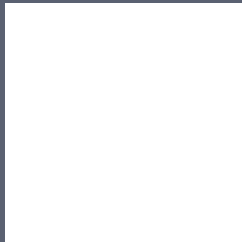
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 41, 10.002, 276.069**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 41, 10.002, 276.069.



This preview shows how white text looks on a background with the CIELCh color 41, 10.002, 276.069.

# 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, 10.002, 276.069

### Protanopia

41, 9.730, 287.048

### Deuteranopia

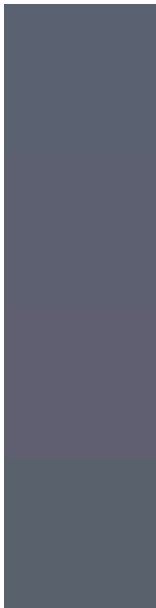
41, 11.694, 299.567





**Tritanopia**  
41, 6.165, 251.283

# Trichromacy



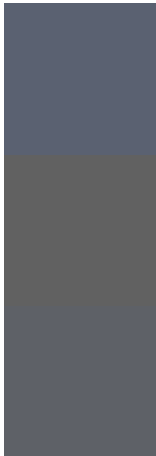
**Original Color**  
41, 10.002, 276.069

**Protanomaly**  
41, 9.805, 282.558

**Deuteranomaly**  
41, 10.944, 291.813

**Tritanomaly**  
41, 6.929, 260.578

# Monochromacy



**Original Color**  
41, 10.002, 276.069

**Achromatopsia**  
41, 0.006, 296.813

**Achromatomaly**  
41, 3.816, 272.223

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 41, 10.002, 276.069 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(90, 97, 113)` looks like.

```
.text, #text, p{  
    color:rgb(90, 97, 113)  
}
```

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(90, 97, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 97, 113) }
```

## Border

The CSS property to change the border of an element to CIELCh 41, 10.002, 276.069 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(90, 97, 113) }
```

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

```
.border{ border-color:rgb(90, 97, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 97, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 97, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 97, 113);  
box-shadow:4px 4px 4px 4px rgb(90, 97,  
113) }
```

# Background

The CSS property to change the background color of an element to CIELCh 41, 10.002, 276.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 97, 113) }
```

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

```
.background{ background-color: rgb(90, 97,  
113) }
```

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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