

Converting Colors

CIELCh(41, 27.394, 277.299)

Have a look what the booklet for
CIELCh(41, 27.394, 277.299)
contains.

CIELCh(41, 27.435, 277.377)	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(41, 27.435, 277.377)

Conversions

Conversions Part 1

Format	Color
Hex	48618D
RGB	72, 97, 141
RGB Percent	28%, 38%, 55%
CMY	0.7174, 0.6194, 0.4468
CMYK	0.49, 0.31, 0.00, 0.45
HSL	218°, 32%, 42%
HSV	218°, 49%, 55%
XYZ	11.7689, 11.8645, 26.8926
YIQ	94.5410, -29.0240, 8.3840

Conversions

Conversions Part 2

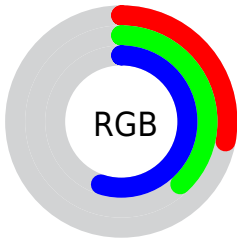
Format	Color
R_{YB}	72, 90, 141
Decimal	4743565
CIE _{Lab}	41.00, 3.52, -27.21
CIE _{LCh}	41, 27.435, 277.377
Yxy	11.8645, 0.2329, 0.2348
Android (android.graphics.Color)	4282933645 (0xFF48618D)
YUV	94.5410, 22.9043, -19.7685
Hunter-Lab	34.4449, 0.7101, -22.1787

Details

The CIELCh color **41, 27.435, 277.377** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 28.129, 82.413**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 27.720, 277.734**, and **21, 27.753, 277.737** is the 20% darker color. If you saturate the color by 10%, you get **38, 33.270, 280.057**, and if you desaturate by 10%, it is **45, 21.692, 275.058**.

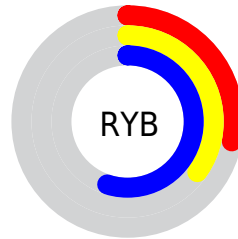
Distribution



Red (28%)

Green (38%)

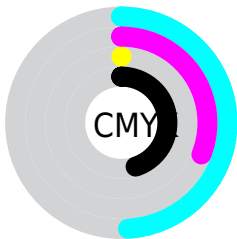
Blue (55%)



Red (28%)

Yellow (35%)

Blue (55%)

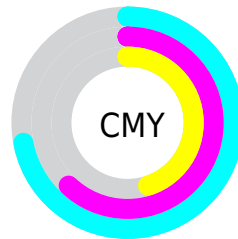


Cyan (49%)

Magenta (31%)

Yellow (0%)

Black (45%)



Cyan (72%)

Magenta (62%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 27.435, 277.377 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, 27.435, 277.377 by changing the saturation by 10% instead.

■ 41, 27.435,
277.377

■ 41, 27.435,
277.377

■ 100, 27.435,
277.377

■ 31, 27.435,
277.377

■ 61, 27.435,
277.377

■ 21, 27.435,
277.377

■ 71, 27.435,
277.377

■ 11, 27.435,
277.377

■ 81, 27.435,
277.377

■ 1, 27.435, 277.377

■ 91, 27.435,
277.377

■ 0, 27.435, 277.377

■ 41, 27.435,

■ 41, 27.435,

277.377

277.377

■ 38, 33.270,
280.057

■ 45, 21.692,
275.058

■ 34, 39.226,
283.107

■ 48, 16.024,
273.068

■ 31, 45.332,
286.493

■ 52, 10.424,
271.365

■ 28, 51.593,
290.119

■ 55, 4.887, 269.919

■ 25, 57.975,
293.689

■ 59, 0.584, 88.266

■ 63, 5.987, 87.483

■ 25, 58.675,
294.041

■ 66, 11.318, 86.543

■ 70, 16.575, 85.711

■ 73, 21.755, 84.973

Harmonies

Complementary

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



41, 27.435, 277.377



50, 28.129, 82.413

Rectangle

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



41, 27.435, 277.377



41, 27.435, 327.377



41, 27.435, 97.377



41, 27.435, 147.377

Sweetspot

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



41, 27.434, 277.377



68, 10.230, 270.816



54, 29.007, 166.394



34, 6.962, 271.094



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



41, 27.434, 277.377



48, 41.355, 280.447



35, 43.163, 300.544



28, 3.127, 269.955



23, 56.638, 293.881



1, 2.103, 268.747

Inverse Universe

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



40, 32.225, 357.699



48, 47.628, 359.957



57, 38.158, 111.831



28, 3.624, 352.559



28, 53.156, 13.763



1, 2.411, 351.790

Previews

White Background



This preview shows how the CIELCh color 41, 27.435, 277.377 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, 27.435, 277.377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

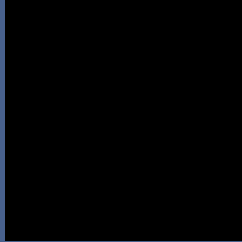
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

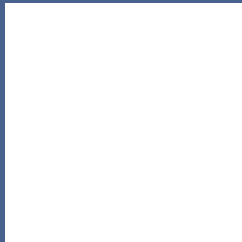
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 27.435, 277.377

Background



This preview shows how black text looks on a background with the CIELCh color 41, 27.435, 277.377.



This preview shows how white text looks on a background with the CIELCh color 41, 27.435, 277.377.

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, 27.435, 277.377

Protanopia

41, 26.874, 284.885

Deuteranopia

41, 27.692, 281.424



Tritanopia
41, 14.761, 217.224

Trichromacy



Original Color
41, 27.435, 277.377

Protanomaly
41, 27.059, 281.620

Deuteranomaly
41, 27.801, 280.240

Tritanomaly
41, 16.975, 247.552

Monochromacy



Original Color
41, 27.435, 277.377

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 10.224, 272.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 27.435, 277.377 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(72, 97, 141)` looks like.

```
.text, #text, p{  
    color:rgb(72, 97, 141)  
}
```

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(72, 97, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 97, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 27.435, 277.377 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(72, 97, 141) }
```

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

```
.border{ border-color:rgb(72, 97, 141) }
```

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

Here you see how a box with a 4 pixel rgb(72, 97, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 97, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 97, 141);  
box-shadow:4px 4px 4px 4px rgb(72, 97,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 27.435, 277.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 97, 141) }
```

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

```
.background{ background-color: rgb(72, 97,  
141) }
```

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