

Converting Colors

CIELCh(33, 41.357, 277.218)

Have a look what the booklet for
CIELCh(33, 41.357, 277.218)
contains.

CIELCh(33, 41.428, 277.339)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 41.428, 277.339)

Conversions

Conversions Part 1

Format	Color
Hex	004F8F
RGB	0, 79, 143
RGB Percent	0%, 31%, 56%
CMY	1.0000, 0.6909, 0.4401
CMYK	1.00, 0.45, 0.00, 0.44
HSL	207°, 100%, 28%
HSV	207°, 100%, 56%
XYZ	7.7161, 7.5373, 26.9490
YIQ	62.6750, -67.6280, 3.1560

Conversions

Conversions Part 2

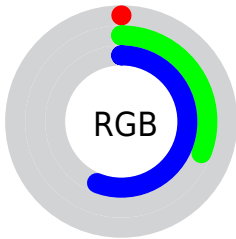
Format	Color
RYB	0, 51, 143
Decimal	20367
CIELab	33.00, 5.29, -41.09
CIElCh	33, 41.428, 277.339
Yxy	7.5373, 0.1828, 0.1786
Android (android.graphics.Color)	4278210447 (0xFF004F8F)
YUV	62.6750, 39.6002, -54.9660
Hunter-Lab	27.4541, 2.1233, -38.9812

Details

The CIELCh color **33, 41.428, 277.339** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **37, 56.368, 57.361**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 41.062, 276.935**, and **16, 39.151, 290.067** is the 20% darker color. If you saturate the color by 10%, you get **33, 41.418, 277.390**, and if you desaturate by 10%, it is **35, 37.597, 272.937**.

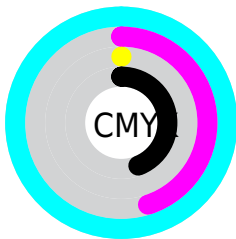
Distribution



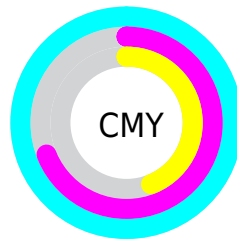
- Red (0%)
- Green (31%)
- Blue (56%)



- Red (0%)
- Yellow (20%)
- Blue (56%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (44%)





- Cyan (100%)
- Magenta (69%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 41.428, 277.339 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 33, 41.428, 277.339 by changing the saturation by 10% instead.


 33, 41.428,
277.339


 33, 41.428,
277.339

 100, 41.428,
277.339


 23, 41.428,
277.339

 53, 41.428,
277.339


 13, 41.428,
277.339


 63, 41.428,
277.339

 3, 41.428, 277.339

 73, 41.428,
277.339

 0, 41.428, 277.339

 83, 41.428,
277.339

 93, 41.428,
277.339

■ 33, 41.428,
277.339

■ 33, 41.428,
277.339

■ 33, 41.418,
277.390

■ 35, 37.597,
272.937

■ 38, 33.876,
268.567

■ 40, 30.119,
264.657

■ 43, 26.255,
261.261

■ 45, 22.242,
258.373

■ 48, 18.065,
255.945

■ 51, 13.731,
253.919

■ 54, 9.260, 252.233

Harmonies

Complementary

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



33, 41.428, 277.339



37, 56.368, 57.361

Rectangle

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



33, 41.428, 277.339



33, 41.428, 327.339



33, 41.428, 97.339



33, 41.428, 147.339

Sweetspot

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



33, 41.418, 277.390



65, 17.035, 254.037



52, 61.068, 146.540



33, 11.657, 254.769



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



33, 41.418, 277.390



43, 51.325, 278.504



16, 83.549, 305.200



29, 2.643, 250.748



31, 39.617, 277.122



1, 1.800, 249.599

Inverse Universe

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



30, 55.884, 356.332



40, 67.730, 357.179



55, 60.024, 98.521



28, 4.093, 341.615



29, 53.737, 356.133



1, 2.738, 340.950

Previews

White Background



This preview shows how the CIELCh color 33, 41.428, 277.339 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 33, 41.428, 277.339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

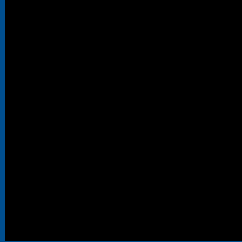
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 41.428, 277.339

Background



This preview shows how black text looks on a background with the CIELCh color 33, 41.428, 277.339.



This preview shows how white text looks on a background with the CIELCh color 33, 41.428, 277.339.

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

33, 41.428, 277.339

Protanopia

33, 40.421, 285.942

Deuteranopia

33, 39.770, 275.801



Tritanopia
33, 22.243, 204.815

Trichromacy



Original Color
33, 41.428, 277.339

Protanomaly
33, 40.896, 281.528

Deuteranomaly
33, 40.321, 276.327

Tritanomaly
33, 24.049, 241.093

Monochromacy



Original Color
33, 41.428, 277.339

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 17.298, 258.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 41.428, 277.339 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(0, 79, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 79, 143)  
}
```

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(0, 79, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 79, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 41.428, 277.339 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(0, 79, 143) }
```

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

```
.border{ border-color:rgb(0, 79, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 79, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 79, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 79, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 79, 143)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 41.428, 277.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 79, 143) }
```

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

```
.background{ background-color: rgb(0, 79,  
143) }
```

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