

Converting Colors

CIELCh(33, 61.047, 290.505)

Have a look what the booklet for
CIELCh(33, 61.047, 290.505)
contains.

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Color

CIELCh(33, 60.783, 290.395)

Conversions

Conversions Part 1

Format	Color
Hex	0448A9
RGB	4, 72, 169
RGB Percent	2%, 28%, 66%
CMY	0.9832, 0.7174, 0.3370
CMYK	0.97, 0.57, 0.00, 0.34
HSL	215°, 95%, 34%
HSV	215°, 97%, 66%
XYZ	9.5428, 7.5373, 38.5238
YIQ	62.7260, -71.6650, 15.7510

Conversions

Conversions Part 2

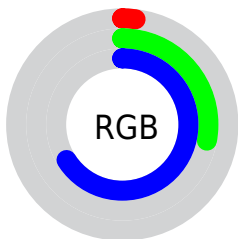
Format	Color
RYB	4, 52, 169
Decimal	280745
CIELab	33.00, 21.18, -56.97
CIELCh	33, 60.783, 290.395
Yxy	7.5373, 0.1716, 0.1356
Android (android.graphics.Color)	4278470825 (0xFF0448A9)
YUV	62.7260, 52.3931, -51.5027
Hunter-Lab	27.4541, 14.0004, -63.9783

Details

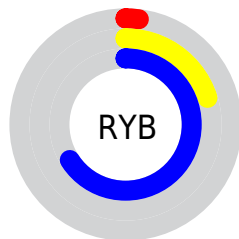
The CIELCh color **33, 60.783, 290.395** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **49, 59.986, 69.185**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 60.585, 290.380**, and **16, 58.519, 298.916** is the 20% darker color. If you saturate the color by 10%, you get **32, 62.505, 291.330**, and if you desaturate by 10%, it is **36, 54.117, 286.423**.

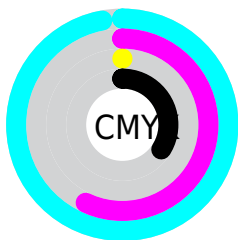
Distribution



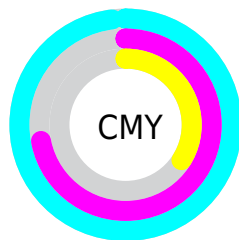
- Red (2%)
- Green (28%)
- Blue (66%)



- Red (2%)
- Yellow (20%)
- Blue (66%)



- Cyan (97%)
- Magenta (57%)
- Yellow (0%)
- Black (34%)





- Cyan (98%)
- Magenta (72%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 60.783, 290.395 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, 60.783, 290.395 by changing the saturation by 10% instead.


 33, 60.783,
290.395


 33, 60.783,
290.395

 100, 60.783,
290.395


 23, 60.783,
290.395

 53, 60.783,
290.395


 13, 60.783,
290.395


 63, 60.783,
290.395

 3, 60.783, 290.395

 73, 60.783,
290.395

 0, 60.783, 290.395

 83, 60.783,
290.395

 93, 60.783,
290.395

■ 33, 60.783,
290.395

■ 33, 60.783,
290.395

■ 32, 62.505,
291.330

■ 36, 54.117,
286.423

■ 39, 47.620,
282.541

■ 43, 41.279,
278.960

■ 47, 35.049,
275.770

■ 51, 28.886,
272.994

■ 54, 22.759,
270.609

■ 58, 16.655,
268.577

■ 62, 10.570,

266.850

■ 66, 4.509, 265.401

Harmonies

Complementary

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



33, 60.783, 290.395



49, 59.986, 69.185

Rectangle

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



33, 60.783, 290.395



33, 60.783, 340.395



33, 60.783, 110.395



33, 60.783, 160.395

Sweetspot

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



33, 60.783, 290.397



73, 21.740, 268.968



61, 58.710, 154.444



37, 14.905, 269.786



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



33, 60.783, 290.397



42, 77.334, 292.088



20, 96.568, 306.349



34, 3.407, 265.642



28, 55.996, 290.856



2, 6.570, 269.444

Inverse Universe

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



36, 61.627, 9.064



47, 75.620, 11.218



66, 71.034, 107.890



33, 4.278, 349.494



31, 56.333, 9.586



2, 7.432, 352.327

Previews

White Background



This preview shows how the CIE LCh color 33, 60.783, 290.395 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, 60.783, 290.395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

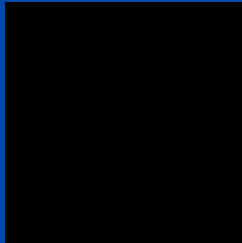
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 60.783, 290.395

Background



This preview shows how black text looks on a background with the CIELCh color 33, 60.783, 290.395.



This preview shows how white text looks on a background with the CIELCh color 33, 60.783, 290.395.

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, 60.783, 290.395

Protanopia

33, 53.037, 286.186

Deuteranopia

33, 37.048, 272.568



Tritanopia
33, 21.986, 206.655

Trichromacy



Original Color
33, 60.783, 290.395

Protanomaly
33, 55.992, 287.931

Deuteranomaly
33, 45.416, 281.265

Tritanomaly
32, 28.572, 258.779

Monochromacy



Original Color
33, 60.783, 290.395

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 24.087, 276.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 60.783, 290.395 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(4, 72, 169)` looks like.

```
.text, #text, p{  
    color:rgb(4, 72, 169)  
}
```

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(4, 72, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 72, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 60.783, 290.395 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(4, 72, 169) }
```

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

```
.border{ border-color:rgb(4, 72, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 72, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 72, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 72, 169);  
box-shadow:4px 4px 4px 4px rgb(4, 72, 169)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 60.783, 290.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 72, 169) }
```

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

```
.background{ background-color: rgb(4, 72,  
169) }
```

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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