

Converting Colors

CIELCh(33, 64.011, 290.298)

Have a look what the booklet for
CIELCh(33, 64.011, 290.298)
contains.

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Color

CIELCh(33, 63.703, 291.238)

Conversions

Conversions Part 1

Format	Color
Hex	0047AD
RGB	0, 71, 173
RGB Percent	0%, 28%, 68%
CMY	1.0000, 0.7206, 0.3212
CMYK	1.00, 0.59, 0.00, 0.32
HSL	215°, 100%, 34%
HSV	215°, 100%, 68%
XYZ	9.7780, 7.5373, 40.5213
YIQ	61.3990, -75.0580, 16.6700

Conversions

Conversions Part 2

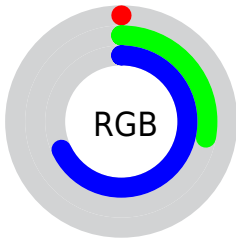
Format	Color
R _{YB}	0, 50, 173
Decimal	18349
CIE _{Lab}	33.00, 23.08, -59.38
CIE _{LCh}	33, 63.703, 291.238
Yxy	7.5373, 0.1691, 0.1303
Android (android.graphics.Color)	4278208429 (0xFF0047AD)
YUV	61.3990, 55.0193, -53.8469
Hunter-Lab	27.4541, 15.5295, -68.2922

Details

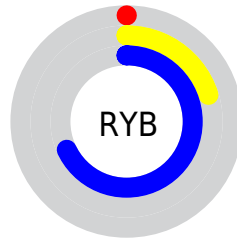
The CIELCh color **33, 63.703, 291.238** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **50, 62.034, 68.500**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 63.405, 291.308**, and **17, 60.974, 299.665** is the 20% darker color. If you saturate the color by 10%, you get **33, 63.678, 291.379**, and if you desaturate by 10%, it is **36, 56.840, 287.472**.

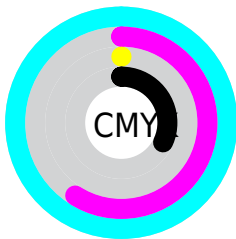
Distribution



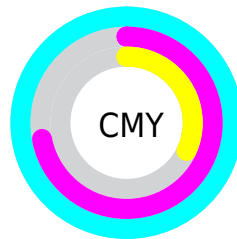
- Red (0%)
- Green (28%)
- Blue (68%)



- Red (0%)
- Yellow (20%)
- Blue (68%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (32%)





- Cyan (100%)
- Magenta (72%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 63.703, 291.238 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, 63.703, 291.238 by changing the saturation by 10% instead.


 33, 63.703,
291.238


 33, 63.703,
291.238

 100, 63.703,
291.238


 23, 63.703,
291.238

 53, 63.703,
291.238


 13, 63.703,
291.238


 63, 63.703,
291.238

 3, 63.703, 291.238

 73, 63.703,
291.238

 0, 63.703, 291.238

 83, 63.703,
291.238

 93, 63.703,
291.238

■ 33, 63.703,
291.238

■ 33, 63.703,
291.238

■ 33, 63.678,
291.379

■ 36, 56.840,
287.472

■ 40, 50.177,
283.525

■ 43, 43.680,
279.845

■ 47, 37.310,
276.540

■ 51, 31.018,
273.649

■ 55, 24.770,
271.161

■ 59, 18.545,
269.037

■ 63, 12.340,

267.232

■ 67, 6.158, 265.708

Harmonies

Complementary

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



33, 63.703, 291.238



50, 62.034, 68.500

Rectangle

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



33, 63.703, 291.238



33, 63.703, 341.238



33, 63.703, 111.238



33, 63.703, 161.238

Sweetspot

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



33, 63.678, 291.379



74, 22.907, 269.140



62, 60.686, 153.867



37, 15.620, 269.970



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



33, 63.678, 291.379



43, 78.744, 292.118



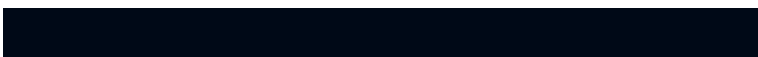
21, 99.635, 306.564



35, 3.491, 265.613



29, 56.751, 290.893



2, 7.947, 270.934

Inverse Universe

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



37, 63.292, 10.268



48, 76.945, 11.260



67, 72.846, 107.938



34, 4.387, 349.474



32, 57.044, 9.632



2, 8.728, 353.526

Previews

White Background



This preview shows how the CIE LCh color 33, 63.703, 291.238 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, 63.703, 291.238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

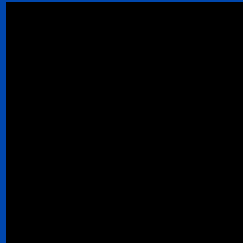
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 63.703, 291.238

Background



This preview shows how black text looks on a background with the CIELCh color 33, 63.703, 291.238.



This preview shows how white text looks on a background with the CIELCh color 33, 63.703, 291.238.

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, 63.794, 291.468

Protanopia

33, 53.037, 286.186

Deuteranopia

33, 37.584, 273.177



Tritanopia
33, 22.243, 204.815

Trichromacy



Original Color
33, 63.794, 291.468

Protanomaly
33, 56.589, 288.085

Deuteranomaly
33, 46.582, 281.911

Tritanomaly
32, 29.095, 259.528

Monochromacy



Original Color
33, 63.794, 291.468

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 24.856, 276.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 63.703, 291.238 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, 71, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 71, 173)  
}
```

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, 71, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 71, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 63.703, 291.238 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, 71, 173) }
```

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

```
.border{ border-color:rgb(0, 71, 173) }
```

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

Here you see how a box with a 4 pixel rgb(0, 71, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 71, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 71, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 71, 173)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 63.703, 291.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 71, 173) }
```

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

```
.background{ background-color: rgb(0, 71,  
173) }
```

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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