

Converting Colors

CIELCh(33, 38.106, 299.866)

Have a look what the booklet for
CIELCh(33, 38.106, 299.866)
contains.

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Color

CIELCh(33, 37.870, 299.634)

Conversions

Conversions Part 1

Format	Color
Hex	4D4682
RGB	77, 70, 130
RGB Percent	30%, 27%, 51%
CMY	0.6987, 0.7261, 0.4909
CMYK	0.41, 0.46, 0.00, 0.49
HSL	247°, 30%, 39%
HSV	247°, 46%, 51%
XYZ	9.2433, 7.5373, 22.0226
YIQ	78.9330, -15.0880, 20.1440

Conversions

Conversions Part 2

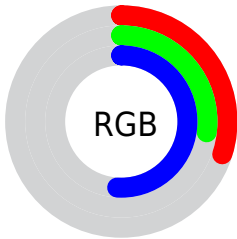
Format	Color
R_{YB}	77, 70, 130
Decimal	5064322
CIE _{Lab}	33.00, 18.73, -32.92
CIE _{LCh}	33, 37.870, 299.634
Yxy	7.5373, 0.2382, 0.1942
Android (android.graphics.Color)	4283254402 (0xFF4D4682)
YUV	78.9330, 25.1760, -1.6952
Hunter-Lab	27.4541, 12.0530, -28.3422

Details

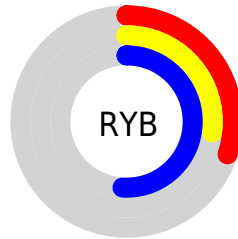
The CIELCh color $33, 37.870, 299.634$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $52, 33.770, 111.275$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $53, 37.915, 300.035$, and $13, 37.559, 299.277$ is the 20% darker color. If you saturate the color by 10%, you get $29, 46.870, 301.104$, and if you desaturate by 10%, it is $38, 29.113, 298.306$.

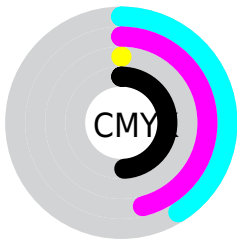
Distribution



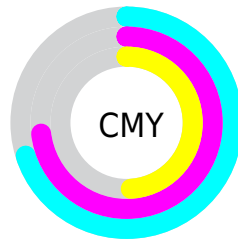
- Red (30%)
- Green (27%)
- Blue (51%)



- Red (30%)
- Yellow (27%)
- Blue (51%)



- Cyan (41%)
- Magenta (46%)
- Yellow (0%)
- Black (49%)





- Cyan (70%)
- Magenta (73%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 37.870, 299.634 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, 37.870, 299.634 by changing the saturation by 10% instead.


 33, 37.870,
299.634


 33, 37.870,
299.634

 100, 37.870,
299.634


 23, 37.870,
299.634

 53, 37.870,
299.634


 13, 37.870,
299.634


 63, 37.870,
299.634

 3, 37.870, 299.634

 73, 37.870,
299.634

 0, 37.870, 299.634

 83, 37.870,
299.634

 93, 37.870,
299.634

■ 33, 37.870,
299.634

■ 33, 37.870,
299.634

■ 29, 46.870,
301.104

■ 38, 29.113,
298.306

■ 24, 55.940,
302.661

■ 42, 20.664,
297.135

■ 20, 64.682,
304.188

■ 47, 12.533,
296.116

■ 17, 72.356,
305.490

■ 51, 4.711, 295.238

■ 15, 78.196,
306.415

■ 56, 2.820, 114.471

■ 14, 80.381,
306.838

■ 61, 10.078,
113.822

■ 65, 17.081,
113.261

■ 70, 23.846,
112.777

■ 74, 30.389,
112.358

Harmonies

Complementary

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



33, 37.870, 299.634



52, 33.770, 111.275

Rectangle

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



33, 37.870, 299.634



33, 37.870, 349.634



33, 37.870, 119.634



33, 37.870, 169.634

Sweetspot

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



33, 37.869, 299.634



61, 13.342, 295.941



49, 18.464, 208.700



30, 9.200, 296.111



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



33, 37.869, 299.634



38, 56.716, 301.112



36, 39.154, 314.468



24, 4.239, 295.477



14, 79.332, 306.848



0, 0.000, 0.000

Inverse Universe

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



39, 38.777, 330.414



47, 55.868, 330.981



50, 37.303, 130.402



25, 4.709, 328.259



29, 63.275, 333.305



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 33, 37.870, 299.634 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, 37.870, 299.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

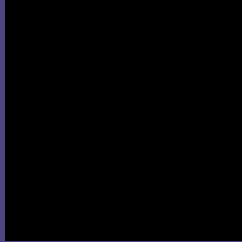
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 37.870, 299.634

Background



This preview shows how black text looks on a background with the CIELCh color 33, 37.870, 299.634.



This preview shows how white text looks on a background with the CIELCh color 33, 37.870, 299.634.

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

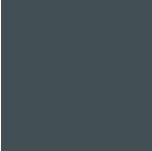
33, 37.870, 299.634

Protanopia

33, 37.313, 285.604

Deuteranopia

33, 32.210, 278.765



Tritanopia
33, 6.669, 233.464

Trichromacy



Original Color
33, 37.870, 299.634

Protanomaly
33, 37.138, 289.925

Deuteranomaly
33, 34.143, 286.839

Tritanomaly
33, 16.495, 285.244

Monochromacy



Original Color
33, 37.870, 299.634

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 13.286, 295.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 37.870, 299.634 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(77, 70, 130)` looks like.

```
.text, #text, p{  
    color:rgb(77, 70, 130)  
}
```

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(77, 70, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 70, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 37.870, 299.634 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(77, 70, 130) }
```

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

```
.border{ border-color:rgb(77, 70, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 70, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 70, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 70, 130);  
box-shadow:4px 4px 4px 4px rgb(77, 70,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 37.870, 299.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 70, 130) }
```

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

```
.background{ background-color: rgb(77, 70,  
130) }
```

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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