

Converting Colors

CIELCh(37, 33.935, 265.331)

Have a look what the booklet for
CIELCh(37, 33.935, 265.331)
contains.

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Color

CIELCh(37, 33.909, 265.375)

Conversions

Conversions Part 1

Format	Color
Hex	0C5B8D
RGB	12, 91, 141
RGB Percent	5%, 36%, 55%
CMY	0.9535, 0.6421, 0.4459
CMYK	0.92, 0.35, 0.00, 0.45
HSL	203°, 85%, 30%
HSV	203°, 92%, 55%
XYZ	8.7439, 9.5379, 26.6964
YIQ	73.0790, -63.1340, -1.1980

Conversions

Conversions Part 2

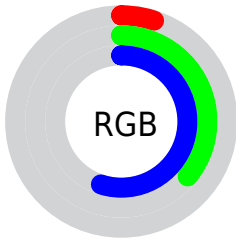
Format	Color
R_{YB}	12, 61, 141
Decimal	809869
CIE _{Lab}	37.00, -2.73, -33.80
CIE _{LCh}	37, 33.909, 265.375
Yxy	9.5379, 0.1944, 0.2121
Android (android.graphics.Color)	4278999949 (0xFF0C5B8D)
YUV	73.0790, 33.4851, -53.5663
Hunter-Lab	30.8835, -3.5084, -29.6332

Details

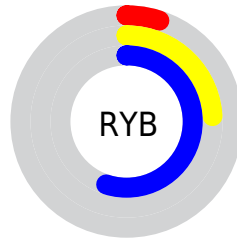
The CIELCh color **37, 33.909, 265.375** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **36, 52.987, 54.044**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 33.820, 265.363**, and **19, 30.829, 279.294** is the 20% darker color. If you saturate the color by 10%, you get **35, 36.356, 269.234**, and if you desaturate by 10%, it is **39, 31.038, 260.866**.

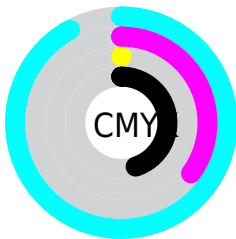
Distribution



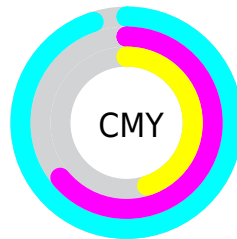
- Red (5%)
- Green (36%)
- Blue (55%)



- Red (5%)
- Yellow (24%)
- Blue (55%)



- Cyan (92%)
- Magenta (35%)
- Yellow (0%)
- Black (45%)





- Cyan (95%)
- Magenta (64%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 33.909, 265.375 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 37, 33.909, 265.375 by changing the saturation by 10% instead.


 37, 33.909,
265.375


 37, 33.909,
265.375

 100, 33.909,
265.375


 27, 33.909,
265.375

 57, 33.909,
265.375


 17, 33.909,
265.375


 67, 33.909,
265.375

 7, 33.909, 265.375

 77, 33.909,
265.375

 0, 33.909, 265.375

 87, 33.909,
265.375

 97, 33.909,
265.375

■ 37, 33.909,
265.375

■ 37, 33.909,
265.375

■ 35, 36.356,
269.234

■ 39, 31.038,
260.866

■ 41, 28.036,
256.899

■ 43, 24.824,
253.510

■ 46, 21.364,
250.673

■ 48, 17.650,
248.327

■ 51, 13.699,
246.400

■ 53, 9.539, 244.824

■ 56, 5.205, 243.550

Harmonies

Complementary

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



37, 33.909, 265.375



36, 52.987, 54.044

Rectangle

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



37, 33.909, 265.375



37, 33.909, 315.375



37, 33.909, 85.375



37, 33.909, 135.375

Sweetspot

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



37, 33.908, 265.376



66, 14.603, 245.726



51, 59.916, 146.139



33, 9.750, 246.212



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



37, 33.908, 265.376



46, 44.790, 270.411



19, 74.502, 302.653



29, 2.563, 243.287



34, 35.093, 269.004



1, 1.753, 242.264

Inverse Universe

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



31, 55.904, 349.028



40, 68.713, 351.727



53, 55.845, 95.646



28, 4.273, 338.629



29, 55.124, 350.922



1, 2.862, 338.004

Previews

White Background



This preview shows how the CIELCh color 37, 33.909, 265.375 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 37, 33.909, 265.375 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 37, 33.909, 265.375

Background



This preview shows how black text looks on a background with the CIELCh color 37, 33.909, 265.375.



This preview shows how white text looks on a background with the CIELCh color 37, 33.909, 265.375.

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

37, 33.883, 265.476

Protanopia

37, 31.688, 285.500

Deuteranopia

37, 34.710, 279.239



Tritanopia
37, 23.878, 207.195

Trichromacy



Original Color
37, 33.883, 265.476

Protanomaly
37, 32.660, 275.844

Deuteranomaly
37, 34.363, 272.747

Tritanomaly
37, 24.505, 233.223

Monochromacy



Original Color
37, 33.883, 265.476

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 14.864, 248.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 33.909, 265.375 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(12, 91, 141)` looks like.

```
.text, #text, p{  
    color:rgb(12, 91, 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(12, 91, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 91, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 33.909, 265.375 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(12, 91, 141) }
```

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

```
.border{ border-color:rgb(12, 91, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 91, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 91, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 91, 141);  
box-shadow:4px 4px 4px 4px rgb(12, 91,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 33.909, 265.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 91, 141) }
```

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

```
.background{ background-color: rgb(12, 91,  
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](#).

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