

Converting Colors

CIELCh(33, 35.885, 291.718)

Have a look what the booklet for
CIELCh(33, 35.885, 291.718)
contains.

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Color

CIELCh(33, 35.885, 291.718)

Conversions

Conversions Part 1

Format	Color
Hex	404982
RGB	64, 73, 130
RGB Percent	25%, 29%, 51%
CMY	0.7475, 0.7123, 0.4886
CMYK	0.51, 0.44, 0.00, 0.49
HSL	232°, 34%, 38%
HSV	232°, 51%, 51%
XYZ	8.6019, 7.5373, 22.2604
YIQ	76.8070, -23.6610, 15.8190

Conversions

Conversions Part 2

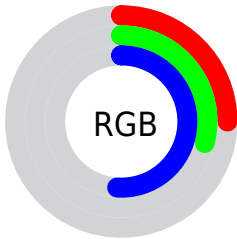
Format	Color
R_{YB}	64, 72, 130
Decimal	4213122
CIE _{Lab}	33.00, 13.28, -33.34
CIE _{LCh}	33, 35.885, 291.718
Yxy	7.5373, 0.2240, 0.1963
Android (android.graphics.Color)	4282403202 (0xFF404982)
YUV	76.8070, 26.2241, -11.2317
Hunter-Lab	27.4541, 7.8829, -28.8558

Details

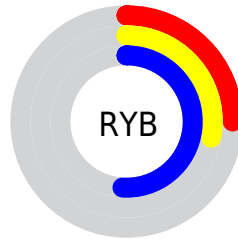
The CIELCh color **33, 35.885, 291.718** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **51, 32.635, 98.595**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 35.908, 291.947**, and **13, 35.696, 291.662** is the 20% darker color. If you saturate the color by 10%, you get **29, 43.768, 293.998**, and if you desaturate by 10%, it is **37, 28.275, 289.709**.

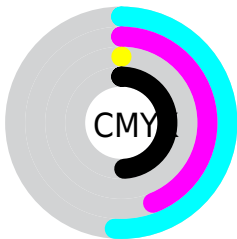
Distribution



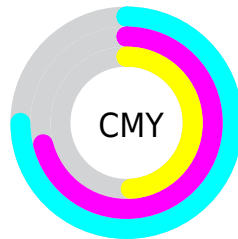
- Red (25%)
- Green (29%)
- Blue (51%)



- Red (25%)
- Yellow (28%)
- Blue (51%)



- Cyan (51%)
- Magenta (44%)
- Yellow (0%)
- Black (49%)



- Cyan (75%)
- Magenta (71%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 35.885, 291.718 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, 35.885, 291.718 by changing the saturation by 10% instead.

■ 33, 35.885,
291.718

■ 33, 35.885,
291.718

■ 100, 35.885,
291.718

■ 23, 35.885,
291.718

■ 53, 35.885,
291.718

■ 13, 35.885,
291.718

■ 63, 35.885,
291.718

■ 3, 35.885, 291.718

■ 73, 35.885,
291.718

■ 0, 35.885, 291.718

■ 83, 35.885,
291.718

■ 93, 35.885,
291.718

■ 33, 35.885,
291.718

■ 33, 35.885,
291.718

■ 29, 43.768,
293.998

■ 37, 28.275,
289.709

■ 25, 51.870,
296.506

■ 41, 20.941,
287.967

■ 21, 60.001,
299.130

■ 46, 13.865,
286.470

■ 18, 67.723,
301.668

■ 50, 7.026, 285.189

■ 16, 74.017,
303.613

■ 54, 0.406, 284.292

■ 58, 6.010, 103.101

■ 63, 12.235,
102.283

■ 67, 18.279,
101.566

■ 71, 24.154,
100.938

Harmonies

Complementary

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



33, 35.885, 291.718



51, 32.635, 98.595

Rectangle

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



33, 35.885, 291.718



33, 35.885, 341.718



33, 35.885, 111.718



33, 35.885, 161.718

Sweetspot

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



33, 35.884, 291.719



61, 12.323, 285.768



50, 23.651, 182.714



30, 8.392, 285.995



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, 35.884, 291.719



37, 54.432, 294.423



33, 42.230, 306.968



26, 3.777, 285.018



16, 73.860, 303.607



0, 0.893, 284.009

Inverse Universe

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



36, 30.308, 14.823



42, 45.520, 17.673



51, 38.249, 121.105



26, 3.095, 8.969



26, 57.881, 32.252



0, 0.723, 8.270

Previews

White Background



This preview shows how the CIE LCh color 33, 35.885, 291.718 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, 35.885, 291.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

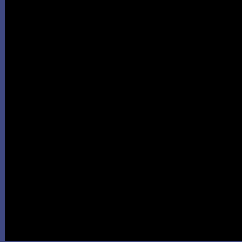
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 35.885, 291.718

Background



This preview shows how black text looks on a background with the CIELCh color 33, 35.885, 291.718.



This preview shows how white text looks on a background with the CIELCh color 33, 35.885, 291.718.

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, 35.885, 291.718

Protanopia

33, 36.049, 285.669

Deuteranopia

33, 32.885, 278.550



Tritanopia
33, 12.300, 215.931

Trichromacy



Original Color
33, 35.885, 291.718

Protanomaly
33, 35.959, 287.715

Deuteranomaly
33, 34.327, 283.852

Tritanomaly
33, 17.310, 265.417

Monochromacy



Original Color
33, 35.885, 291.718

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 12.688, 285.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 35.885, 291.718 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(64, 73, 130)` looks like.

```
.text, #text, p{  
    color:rgb(64, 73, 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(64, 73, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 73, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 35.885, 291.718 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(64, 73, 130) }
```

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

```
.border{ border-color:rgb(64, 73, 130) }
```

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

Here you see how a box with a 4 pixel rgb(64, 73, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 73, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 73, 130);  
box-shadow:4px 4px 4px 4px rgb(64, 73,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 35.885, 291.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 73, 130) }
```

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

```
.background{ background-color: rgb(64, 73,  
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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