

Converting Colors

CIELCh(35, 105.007, 303.342)

Have a look what the booklet for
CIELCh(35, 105.007, 303.342)
contains.

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Color

CIELCh(35, 104.547, 303.266)

Conversions

Conversions Part 1

Format	Color
Hex	2F33E3
RGB	47, 51, 227
RGB Percent	18%, 20%, 89%
CMY	0.8165, 0.8004, 0.1103
CMYK	0.79, 0.78, 0.00, 0.11
HSL	239°, 76%, 54%
HSV	239°, 79%, 89%
XYZ	16.1915, 8.4984, 73.3769
YIQ	69.8680, -58.8800, 53.8880

Conversions

Conversions Part 2

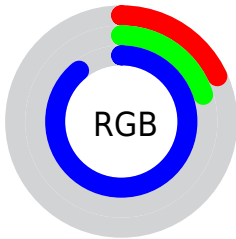
Format	Color
R _{YB}	47, 51, 227
Decimal	3093475
CIE _{Lab}	35.00, 57.35, -87.42
CIE _{LCh}	35, 104.547, 303.266
Y _{xy}	8.4984, 0.1651, 0.0867
Android (android.graphics.Color)	4281283555 (0xFF2F33E3)
YUV	69.8680, 77.4661, -20.0552
Hunter-Lab	29.1520, 48.1260, -128.8293




Details

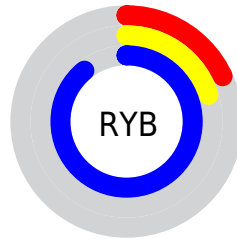
The CIELCh color **35, 104.547, 303.266** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **87, 80.360, 102.167**, and the grayscale version is **29, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 88.073, 303.107**, and **20, 98.475, 306.209** is the 20% darker color. If you saturate the color by 10%, you get **31, 115.142, 305.024**, and if you desaturate by 10%, it is **41, 91.277, 301.070**.

Distribution







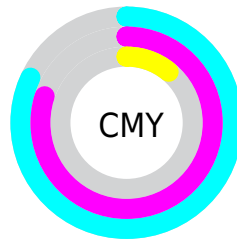
-  Red (18%)
-  Green (20%)
-  Blue (89%)






-  Red (18%)
-  Yellow (20%)
-  Blue (89%)



-  Cyan (79%)
-  Magenta (78%)
-  Yellow (0%)
-  Black (11%)





-  Cyan (82%)
-  Magenta (80%)
-  Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 104.547, 303.266 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 35, 104.547, 303.266 by changing the saturation by 10% instead.


 35, 104.547,
303.266


 35, 104.547,
303.266


 100, 104.547,
303.266


 25, 104.547,
303.266


 55, 104.547,
303.266


 15, 104.547,
303.266


 65, 104.547,
303.266

 5, 104.547,
303.266

 75, 104.547,
303.266

 0, 104.547,
303.266

 85, 104.547,
303.266

 95, 104.547,
303.266

■ 35, 104.547,
303.266

■ 35, 104.547,
303.266

■ 31, 115.142,
305.024

■ 41, 91.277,
301.070

■ 29, 121.281,
306.033

■ 47, 77.055,
298.766

■ 29, 121.562,
306.075

■ 54, 62.855,
296.581

■ 61, 49.078,
294.625

■ 69, 35.844,
292.927

■ 76, 23.156,
291.478

■ 83, 10.984,
290.251

■ 91, 0.712, 109.087

■ 98, 11.968,
108.306

Harmonies

Complementary

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



35, 104.547, 303.266



87, 80.360, 102.167

Rectangle

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



35, 104.547, 303.266



35, 104.547, 353.266



35, 104.547, 123.266



35, 104.547, 173.266

Sweetspot

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



35, 104.548, 303.267



81, 31.852, 292.142



82, 44.613, 192.301



40, 22.045, 292.675



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



35, 104.548, 303.267



33, 130.555, 305.756



42, 101.778, 311.732



43, 6.597, 290.258



21, 100.237, 305.997



2, 31.132, 295.374

Inverse Universe

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



50, 79.493, 32.497



54, 101.113, 38.291



82, 89.092, 125.310



44, 4.727, 18.092



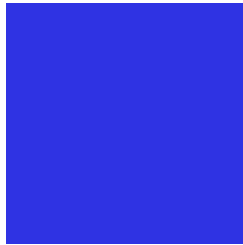
36, 78.116, 39.018



6, 25.486, 19.985

Previews

White Background



This preview shows how the CIE LCh color 35, 104.547, 303.266 looks on a white background.

Color Contrast Check

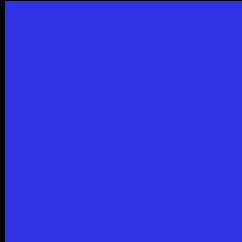
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 35, 104.547, 303.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

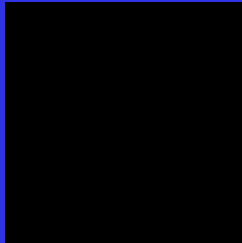
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 104.547, 303.266

Background



This preview shows how black text looks on a background with the CIELCh color 35, 104.547, 303.266.



This preview shows how white text looks on a background with the CIELCh color 35, 104.547, 303.266.

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

35, 104.547, 303.266

Protanopia

35, 54.491, 285.968

Deuteranopia

35, 37.575, 271.733



Tritanopia
35, 22.962, 204.486

Trichromacy



Original Color
35, 104.547, 303.266

Protanomaly
34, 73.573, 295.215

Deuteranomaly
33, 62.416, 291.611

Tritanomaly
32, 43.536, 281.606

Monochromacy



Original Color
35, 104.547, 303.266

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 40.893, 296.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 104.547, 303.266 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(47, 51, 227)` looks like.

```
.text, #text, p{  
    color:rgb(47, 51, 227)  
}
```

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(47, 51, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 51, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 104.547, 303.266 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(47, 51, 227) }
```

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

```
.border{ border-color:rgb(47, 51, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 51, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 51, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 51, 227);  
box-shadow:4px 4px 4px 4px rgb(47, 51,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 104.547, 303.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 51, 227) }
```

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

```
.background{ background-color: rgb(47, 51,  
227) }
```

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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