

Converting Colors

CIELCh(35, 110.162, 307.450)

Have a look what the booklet for
CIELCh(35, 110.162, 307.450)
contains.

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Color

CIELCh(35, 110.162, 307.450)

Conversions

Conversions Part 1

Format	Color
Hex	5222E3
RGB	82, 34, 227
RGB Percent	32%, 13%, 89%
CMY	0.6780, 0.8663, 0.1095
CMYK	0.64, 0.85, 0.00, 0.11
HSL	255°, 78%, 51%
HSV	255°, 85%, 89%
XYZ	17.9402, 8.4984, 73.4280
YIQ	70.3540, -33.3450, 70.1990

Conversions

Conversions Part 2

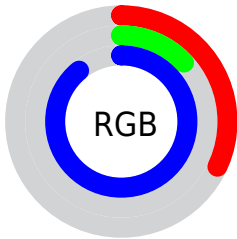
Format	Color
R _Y B	82, 34, 227
Decimal	5382883
CIE Lab	35.00, 66.99, -87.46
CIE LCh	35, 110.162, 307.450
Yxy	8.4984, 0.1796, 0.0851
Android (android.graphics.Color)	4283572963 (0xFF5222E3)
YUV	70.3540, 77.2265, 10.2135
Hunter-Lab	29.1520, 58.8335, -128.9331

Details

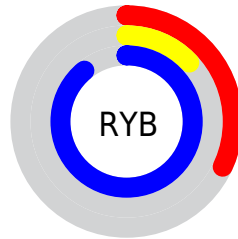
The CIELCh color **35, 110.162, 307.450** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **84, 87.345, 116.356**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 94.548, 308.581**, and **20, 98.759, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 117.571, 307.648**, and if you desaturate by 10%, it is **40, 99.245, 306.760**.

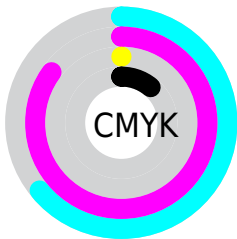
Distribution



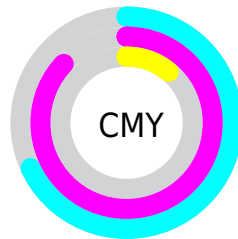
- Red (32%)
- Green (13%)
- Blue (89%)



- Red (32%)
- Yellow (13%)
- Blue (89%)



- Cyan (64%)
- Magenta (85%)
- Yellow (0%)
- Black (11%)





- Cyan (68%)
- Magenta (87%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 110.162, 307.450 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, 110.162, 307.450 by changing the saturation by 10% instead.


 35, 110.162,
307.450


 35, 110.162,
307.450


 100, 110.162,
307.450


 25, 110.162,
307.450


 55, 110.162,
307.450


 15, 110.162,
307.450


 65, 110.162,
307.450

 5, 110.162,
307.450

 75, 110.162,
307.450

 0, 110.162,
307.450

 85, 110.162,
307.450

 95, 110.162,
307.450

■ 35, 110.162,
307.450

■ 35, 110.162,
307.450

■ 32, 117.571,
307.648

■ 40, 99.245,
306.760

■ 30, 120.114,
307.620

■ 46, 86.273,
305.780

■ 52, 72.438,
304.693

■ 59, 58.462,
303.613

■ 66, 44.715,
302.604

■ 73, 31.364,
301.692

■ 80, 18.470,
300.885

■ 87, 6.042, 300.177

Harmonies

Complementary

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



35, 110.162, 307.450



84, 87.345, 116.356

Rectangle

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



35, 110.162, 307.450



35, 110.162, 357.450



35, 110.162, 127.450



35, 110.162, 177.450

Sweetspot

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



35, 110.163, 307.451



81, 34.480, 301.707



69, 39.165, 237.128



40, 23.677, 302.018



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, 110.163, 307.451



35, 131.207, 307.571



47, 103.233, 319.091



44, 6.987, 300.482



23, 100.151, 307.743



3, 34.270, 302.762

Inverse Universe

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



53, 85.458, 339.398



57, 95.199, 341.616



80, 100.119, 133.097



45, 6.982, 332.883



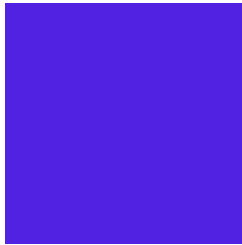
40, 73.125, 341.242



8, 31.516, 338.773

Previews

White Background



This preview shows how the CIELCh color 35, 110.162, 307.450 looks on a white background.

Color Contrast Check

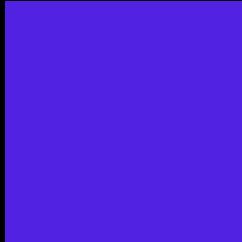
Large Text (above 18pt) WCAG AA ✓ Pass

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, 110.162, 307.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

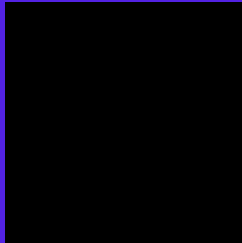
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 110.162, 307.450

Background



This preview shows how black text looks on a background with the CIELCh color 35, 110.162, 307.450.



This preview shows how white text looks on a background with the CIELCh color 35, 110.162, 307.450.

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, 110.162, 307.450

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 37.577, 271.376



Tritanopia
35, 22.819, 207.830

Trichromacy



Original Color
35, 110.162, 307.450

Protanomaly
33, 77.905, 297.839

Deuteranomaly
32, 66.851, 295.085

Tritanomaly
31, 47.713, 287.736

Monochromacy



Original Color
35, 110.162, 307.450

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 45.076, 304.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 110.162, 307.450 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(82, 34, 227)` looks like.

```
.text, #text, p{  
  color:rgb(82, 34, 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(82, 34, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 34, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 110.162, 307.450 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(82, 34, 227) }
```

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

```
.border{ border-color:rgb(82, 34, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 34, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 34, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 34, 227);  
box-shadow:4px 4px 4px 4px rgb(82, 34,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 110.162, 307.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 34, 227) }
```

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

```
.background{ background-color: rgb(82, 34,  
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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