

Converting Colors

CIELCh(35, 73.288, 311.180)

Have a look what the booklet for
CIELCh(35, 73.288, 311.180)
contains.

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Color

CIELCh(35, 73.180, 311.050)

Conversions

Conversions Part 1

Format	Color
Hex	6A34AC
RGB	106, 52, 172
RGB Percent	42%, 20%, 67%
CMY	0.5843, 0.7961, 0.3255
CMYK	0.38, 0.70, 0.00, 0.33
HSL	267°, 54%, 44%
HSV	267°, 70%, 67%
XYZ	14.6177, 8.4984, 39.8988
YIQ	81.8260, -6.3360, 48.7680

Conversions

Conversions Part 2

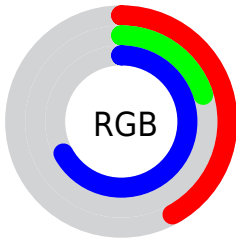
Format	Color
R_{YB}	106, 52, 172
Decimal	6960300
CIE _{Lab}	35.00, 48.06, -55.19
CIE _{LCh}	35, 73.180, 311.050
Yxy	8.4984, 0.2320, 0.1349
Android (android.graphics.Color)	4285150380 (0xFF6A34AC)
YUV	81.8260, 44.4558, 21.2006
Hunter-Lab	29.1520, 38.4894, -60.7407

Details

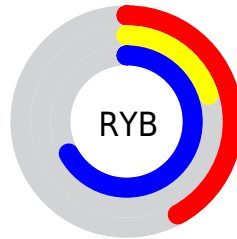
The CIELCh color **35, 73.180, 311.050** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **65, 64.877, 124.502**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 72.832, 311.025**, and **16, 71.920, 310.658** is the 20% darker color. If you saturate the color by 10%, you get **31, 82.061, 311.314**, and if you desaturate by 10%, it is **39, 63.084, 310.587**.

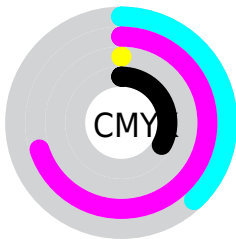
Distribution



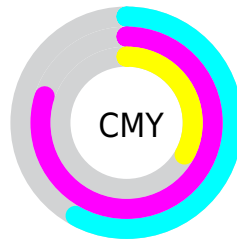
- Red (42%)
- Green (20%)
- Blue (67%)



- Red (42%)
- Yellow (20%)
- Blue (67%)



- Cyan (38%)
- Magenta (70%)
- Yellow (0%)
- Black (33%)





- Cyan (58%)
- Magenta (80%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 73.180, 311.050 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, 73.180, 311.050 by changing the saturation by 10% instead.


 35, 73.180,
311.050


 35, 73.180,
311.050

 100, 73.180,
311.050


 25, 73.180,
311.050

 55, 73.180,
311.050


 15, 73.180,
311.050


 65, 73.180,
311.050

 5, 73.180, 311.050

 75, 73.180,
311.050

 0, 73.180, 311.050

 85, 73.180,
311.050

 95, 73.180,
311.050

■ 35, 73.180,
311.050

■ 35, 73.180,
311.050

■ 31, 82.061,
311.314

■ 39, 63.084,
310.587

■ 28, 88.950,
311.254

■ 44, 52.394,
310.022

■ 26, 93.723,
310.885

■ 49, 41.524,
309.422

■ 25, 93.833,
310.879

■ 55, 30.721,
308.830

■ 60, 20.122,
308.269

■ 65, 9.798, 307.749

■ 70, 0.221, 127.703

■ 76, 9.928, 126.887

■ 81, 19.326,
126.516

Harmonies

Complementary

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



35, 73.180, 311.050



65, 64.877, 124.502

Rectangle

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



35, 73.180, 311.050



35, 73.180, 1.050



35, 73.180, 131.050



35, 73.180, 181.050

Sweetspot

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



35, 73.180, 311.050



75, 26.600, 308.356



48, 34.996, 265.213



38, 18.049, 308.503



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



35, 73.180, 311.050



39, 105.263, 311.327



44, 73.491, 326.126



34, 5.713, 307.726



22, 84.927, 310.999



1, 11.740, 304.294

Inverse Universe

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



42, 55.482, 349.059



51, 75.350, 352.632



62, 74.275, 137.506



34, 4.804, 341.738



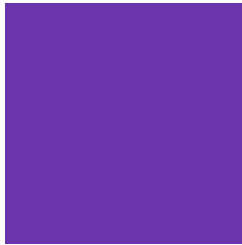
32, 57.982, 356.689



2, 9.417, 346.110

Previews

White Background



This preview shows how the CIELCh color 35, 73.180, 311.050 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, 73.180, 311.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

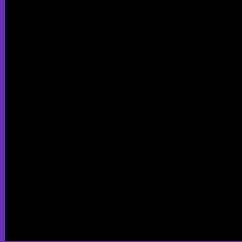
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 73.180, 311.050

Background



This preview shows how black text looks on a background with the CIELCh color 35, 73.180, 311.050.



This preview shows how white text looks on a background with the CIELCh color 35, 73.180, 311.050.

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

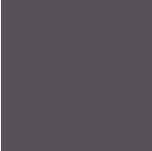
35, 73.180, 311.050

Protanopia

35, 55.569, 286.264

Deuteranopia

35, 40.226, 274.271



Tritanopia
35, 5.563, 328.504

Trichromacy



Original Color
35, 73.180, 311.050

Protanomaly
33, 62.285, 294.068

Deuteranomaly
33, 52.067, 290.199

Tritanomaly
34, 31.464, 311.675

Monochromacy



Original Color
35, 73.180, 311.050

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 28.666, 309.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 73.180, 311.050 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(106, 52, 172)` looks like.

```
.text, #text, p{  
    color:rgb(106, 52, 172)  
}
```

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(106, 52, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 52, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 73.180, 311.050 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(106, 52, 172) }
```

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

```
.border{ border-color:rgb(106, 52, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 52, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 52, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 52, 172);  
box-shadow:4px 4px 4px 4px rgb(106, 52,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 73.180, 311.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 52, 172) }
```

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

```
.background{ background-color: rgb(106, 52,  
172) }
```

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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