

Converting Colors

CIELCh(35, 46.801, 297.301)

Have a look what the booklet for
CIELCh(35, 46.801, 297.301)
contains.

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Color

CIELCh(35, 46.606, 297.287)

Conversions

Conversions Part 1

Format	Color
Hex	4A4A95
RGB	74, 74, 149
RGB Percent	29%, 29%, 58%
CMY	0.7103, 0.7103, 0.4162
CMYK	0.50, 0.50, 0.00, 0.42
HSL	240°, 34%, 44%
HSV	240°, 50%, 58%
XYZ	10.6691, 8.4984, 29.4562
YIQ	82.5500, -24.0750, 23.3250

Conversions

Conversions Part 2

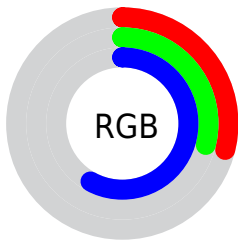
Format	Color
R _{YB}	74, 74, 149
Decimal	4868757
CIE Lab	35.00, 21.37, -41.42
CIE LCh	35, 46.606, 297.287
Yxy	8.4984, 0.2194, 0.1748
Android (android.graphics.Color)	4283058837 (0xFF4A4A95)
YUV	82.5500, 32.7599, -7.4983
Hunter-Lab	29.1520, 14.3118, -39.5024

Details

The CIELCh color **35, 46.606, 297.287** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **60, 40.700, 105.514**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 46.569, 297.299**, and **15, 47.224, 297.531** is the 20% darker color. If you saturate the color by 10%, you get **30, 56.901, 299.353**, and if you desaturate by 10%, it is **40, 36.592, 295.426**.

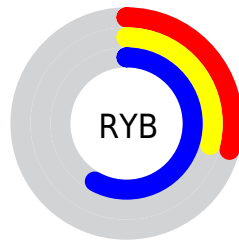
Distribution



Red (29%)

Green (29%)

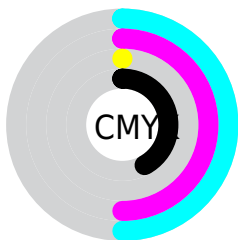
Blue (58%)



Red (29%)

Yellow (29%)

Blue (58%)

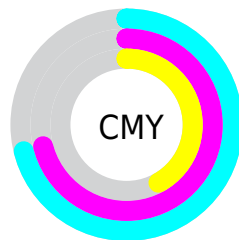


Cyan (50%)

Magenta (50%)

Yellow (0%)

Black (42%)



Cyan (71%)

Magenta (71%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 46.606, 297.287 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, 46.606, 297.287 by changing the saturation by 10% instead.


 35, 46.606,
297.287

 35, 46.606,
297.287

 100, 46.606,
297.287

 25, 46.606,
297.287

 55, 46.606,
297.287


 15, 46.606,
297.287


 65, 46.606,
297.287

 5, 46.606, 297.287

 75, 46.606,
297.287

 0, 46.606, 297.287

 85, 46.606,
297.287

 95, 46.606,
297.287

■ 35, 46.606,
297.287

■ 35, 46.606,
297.287

■ 30, 56.901,
299.353

■ 40, 36.592,
295.426

■ 25, 67.175,
301.517

■ 46, 26.959,
293.802

■ 21, 76.719,
303.564

■ 51, 17.717,
292.408

■ 18, 84.309,
305.182

■ 56, 8.847, 291.222

■ 16, 89.567,
306.284

■ 61, 0.324, 290.365

■ 67, 7.880, 109.337

■ 72, 15.787,
108.605

■ 77, 23.419,
107.974

■ 82, 30.793,
107.431

Harmonies

Complementary

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



35, 46.606, 297.287



60, 40.700, 105.514

Rectangle

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



35, 46.606, 297.287



35, 46.606, 347.287



35, 46.606, 117.287



35, 46.606, 167.287

Sweetspot

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



35, 46.606, 297.288



69, 16.007, 291.782



57, 24.378, 195.482



34, 10.930, 292.011



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



35, 46.606, 297.288



39, 70.207, 299.534



38, 47.257, 311.046



28, 4.779, 291.095



15, 84.619, 306.284



0, 4.113, 290.170

Inverse Universe

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



41, 34.654, 24.936



49, 52.525, 27.400



57, 43.811, 126.198



29, 3.343, 19.877



28, 65.120, 38.921



1, 2.828, 19.389

Previews

White Background



This preview shows how the CIE LCh color 35, 46.606, 297.287 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 35, 46.606, 297.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

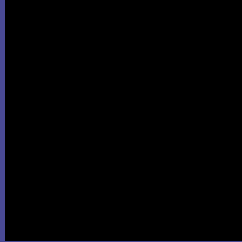
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 46.606, 297.287

Background



This preview shows how black text looks on a background with the CIELCh color 35, 46.606, 297.287.



This preview shows how white text looks on a background with the CIELCh color 35, 46.606, 297.287.

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, 46.606, 297.287

Protanopia

35, 46.852, 286.506

Deuteranopia

35, 40.394, 277.075



Tritanopia
35, 11.814, 219.927

Trichromacy



Original Color
35, 46.606, 297.287

Protanomaly
35, 46.670, 289.895

Deuteranomaly
35, 42.819, 283.932

Tritanomaly
35, 20.721, 275.300

Monochromacy



Original Color
35, 46.606, 297.287

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 16.910, 292.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 46.606, 297.287 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(74, 74, 149)` looks like.

```
.text, #text, p{  
    color:rgb(74, 74, 149)  
}
```

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(74, 74, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 74, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 46.606, 297.287 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(74, 74, 149) }
```

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

```
.border{ border-color:rgb(74, 74, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 74, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 74, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 74, 149);  
box-shadow:4px 4px 4px 4px rgb(74, 74,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 46.606, 297.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 74, 149) }
```

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

```
.background{ background-color: rgb(74, 74,  
149) }
```

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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