

Converting Colors

CIELCh(35, 48.999, 297.366)

Have a look what the booklet for
CIELCh(35, 48.999, 297.366)
contains.

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Color

CIELCh(35, 49.081, 297.631)

Conversions

Conversions Part 1

Format	Color
Hex	494998
RGB	73, 73, 152
RGB Percent	29%, 29%, 60%
CMY	0.7126, 0.7128, 0.4029
CMYK	0.52, 0.52, 0.00, 0.40
HSL	240°, 35%, 44%
HSV	240°, 52%, 60%
XYZ	10.8555, 8.4984, 30.8887
YIQ	82.0060, -25.3590, 24.5690

Conversions

Conversions Part 2

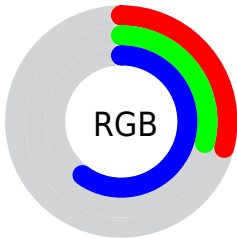
Format	Color
R_{YB}	73, 73, 152
Decimal	4802968
CIE Lab	35.00, 22.76, -43.48
CIE LCh	35, 49.081, 297.631
Yxy	8.4984, 0.2161, 0.1691
Android (android.graphics.Color)	4282993048 (0xFF494998)
YUV	82.0060, 34.5070, -7.8983
Hunter-Lab	29.1520, 15.4528, -42.4158

Details

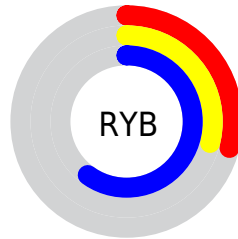
The CIELCh color $35, 49.081, 297.631$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $61, 42.603, 105.412$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $55, 48.875, 297.434$, and $15, 49.288, 297.879$ is the 20% darker color. If you saturate the color by 10%, you get $30, 59.595, 299.724$, and if you desaturate by 10%, it is $40, 38.822, 295.733$.

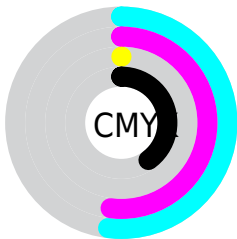
Distribution



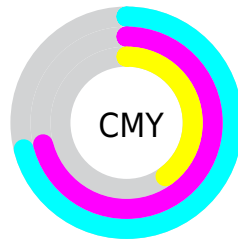
- Red (29%)
- Green (29%)
- Blue (60%)



- Red (29%)
- Yellow (29%)
- Blue (60%)



- Cyan (52%)
- Magenta (52%)
- Yellow (0%)
- Black (40%)





- Cyan (71%)
- Magenta (71%)
- Yellow (40%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 49.081, 297.631 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, 49.081, 297.631 by changing the saturation by 10% instead.


 35, 49.081,
297.631


 35, 49.081,
297.631

 100, 49.081,
297.631


 25, 49.081,
297.631

 55, 49.081,
297.631


 15, 49.081,
297.631


 65, 49.081,
297.631

 5, 49.081, 297.631

 75, 49.081,
297.631

 0, 49.081, 297.631

 85, 49.081,
297.631

 95, 49.081,
297.631

■ 35, 49.081,
297.631

■ 35, 49.081,
297.631

■ 30, 59.595,
299.724

■ 40, 38.822,
295.733

■ 25, 70.001,
301.887

■ 46, 28.944,
294.069

■ 21, 79.487,
303.885

■ 51, 19.465,
292.639

■ 18, 86.732,
305.397

■ 57, 10.371,
291.422

■ 17, 91.066,
306.289

■ 62, 1.634, 290.411

■ 67, 6.772, 109.488

■ 73, 14.872,
108.738

■ 78, 22.687,
108.093

■ 83, 30.237,
107.538

Harmonies

Complementary

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



35, 49.081, 297.631



61, 42.603, 105.412

Rectangle

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



35, 49.081, 297.631



35, 49.081, 347.631



35, 49.081, 117.631



35, 49.081, 167.631

Sweetspot

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



35, 49.081, 297.632



69, 17.479, 291.935



58, 25.211, 197.147



35, 11.814, 292.163



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



35, 49.081, 297.632



39, 74.355, 300.015



39, 49.686, 311.642



29, 4.918, 291.129



15, 85.762, 306.289



0, 5.229, 290.199

Inverse Universe

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



44, 52.968, 327.084



53, 76.030, 327.524



59, 46.087, 126.734



30, 5.938, 324.928



33, 74.038, 328.254



1, 6.383, 324.455

Previews

White Background



This preview shows how the CIE LCh color 35, 49.081, 297.631 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, 49.081, 297.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

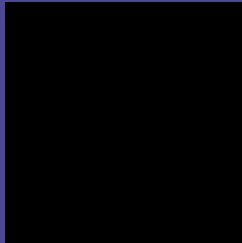
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 49.081, 297.631

Background



This preview shows how black text looks on a background with the CIELCh color 35, 49.081, 297.631.



This preview shows how white text looks on a background with the CIELCh color 35, 49.081, 297.631.

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, 49.081, 297.631

Protanopia

35, 49.324, 286.558

Deuteranopia

35, 41.320, 275.659



Tritanopia
35, 12.549, 221.648

Trichromacy



Original Color
35, 49.081, 297.631

Protanomaly
35, 49.129, 289.821

Deuteranomaly
34, 44.318, 282.294

Tritanomaly
35, 21.957, 275.920

Monochromacy



Original Color
35, 49.081, 297.631

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 18.155, 293.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 49.081, 297.631 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(73, 73, 152)` looks like.

```
.text, #text, p{  
    color:rgb(73, 73, 152)  
}
```

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(73, 73, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 73, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 49.081, 297.631 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(73, 73, 152) }
```

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

```
.border{ border-color:rgb(73, 73, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 73, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 73, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 73, 152);  
box-shadow:4px 4px 4px 4px rgb(73, 73,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 49.081, 297.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 73, 152) }
```

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

```
.background{ background-color: rgb(73, 73,  
152) }
```

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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