

Converting Colors

CIELCh(35, 34.918, 277.798)

Have a look what the booklet for
CIELCh(35, 34.918, 277.798)
contains.

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Color

CIELCh(35, 34.629, 277.366)

Conversions

Conversions Part 1

Format	Color
Hex	2A5389
RGB	42, 83, 137
RGB Percent	16%, 33%, 54%
CMY	0.8349, 0.6743, 0.4625
CMYK	0.69, 0.39, 0.00, 0.46
HSL	214°, 53%, 35%
HSV	214°, 69%, 54%
XYZ	8.5768, 8.4984, 24.8814
YIQ	76.8970, -41.7700, 8.1020

Conversions

Conversions Part 2

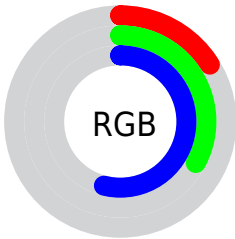
Format	Color
R_{YB}	42, 71, 137
Decimal	2773897
CIE _{Lab}	35.00, 4.44, -34.34
CIE _{LCh}	35, 34.629, 277.366
Yxy	8.4984, 0.2044, 0.2026
Android (android.graphics.Color)	4280963977 (0xFF2A5389)
YUV	76.8970, 29.6308, -30.6047
Hunter-Lab	29.1520, 1.5005, -30.1980

Details

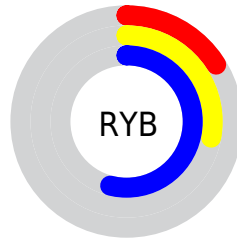
The CIELCh color **35, 34.629, 277.366** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **44, 38.175, 73.280**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 34.832, 277.348**, and **16, 33.735, 285.151** is the 20% darker color. If you saturate the color by 10%, you get **32, 39.724, 280.963**, and if you desaturate by 10%, it is **38, 29.603, 274.163**.

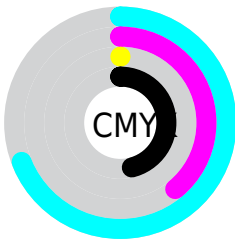
Distribution



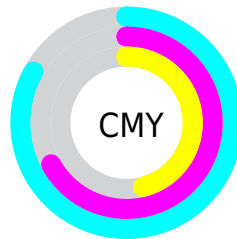
- Red (16%)
- Green (33%)
- Blue (54%)



- Red (16%)
- Yellow (28%)
- Blue (54%)



- Cyan (69%)
- Magenta (39%)
- Yellow (0%)
- Black (46%)





- Cyan (83%)
- Magenta (67%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 34.629, 277.366 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, 34.629, 277.366 by changing the saturation by 10% instead.


 35, 34.629,
277.366

 35, 34.629,
277.366

 100, 34.629,
277.366


 25, 34.629,
277.366

 55, 34.629,
277.366


 15, 34.629,
277.366

 65, 34.629,
277.366

 5, 34.629, 277.366

 75, 34.629,
277.366

 0, 34.629, 277.366

 85, 34.629,
277.366

 95, 34.629,
277.366

■ 35, 34.629,
277.366

■ 35, 34.629,
277.366

■ 32, 39.724,
280.963

■ 38, 29.603,
274.163

■ 29, 44.934,
284.867

■ 41, 24.609,
271.371

■ 27, 50.304,
288.754

■ 44, 19.621,
268.971

■ 27, 50.692,
289.006

■ 48, 14.629,
266.923

■ 51, 9.633, 265.181

■ 54, 4.638, 263.712

■ 57, 0.346, 81.692

■ 61, 5.310, 81.227

■ 64, 10.245, 80.288

Harmonies

Complementary

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



35, 34.629, 277.366



44, 38.175, 73.280

Rectangle

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



35, 34.629, 277.366



35, 34.629, 327.366



35, 34.629, 97.366



35, 34.629, 147.366

Sweetspot

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



35, 34.628, 277.367



64, 13.010, 265.535



51, 40.304, 159.329



32, 8.772, 265.934



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



35, 34.628, 277.367



41, 51.703, 283.094



24, 61.545, 302.286



27, 2.827, 263.694



26, 49.326, 288.864



1, 1.312, 262.471

Inverse Universe

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



33, 43.930, 356.941



40, 60.585, 1.418



55, 50.130, 107.469



27, 3.665, 348.251



27, 51.953, 7.125



0, 1.679, 347.518

Previews

White Background



This preview shows how the CIE LCh color 35, 34.629, 277.366 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, 34.629, 277.366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

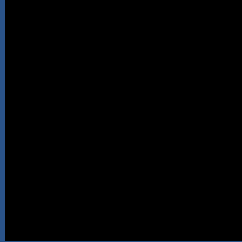
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 34.629, 277.366

Background



This preview shows how black text looks on a background with the CIELCh color 35, 34.629, 277.366.



This preview shows how white text looks on a background with the CIELCh color 35, 34.629, 277.366.

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, 34.629, 277.366

Protanopia

35, 33.887, 285.491

Deuteranopia

35, 34.489, 278.302



Tritanopia
35, 22.773, 209.516

Trichromacy



Original Color
35, 34.629, 277.366

Protanomaly
35, 34.144, 282.103

Deuteranomaly
35, 34.536, 277.983

Tritanomaly
35, 23.382, 240.089

Monochromacy



Original Color
35, 34.629, 277.366

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 13.560, 268.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 34.629, 277.366 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(42, 83, 137)` looks like.

```
.text, #text, p{  
    color:rgb(42, 83, 137)  
}
```

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(42, 83, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 83, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 34.629, 277.366 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(42, 83, 137) }
```

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

```
.border{ border-color:rgb(42, 83, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 83, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 83, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 83, 137);  
box-shadow:4px 4px 4px 4px rgb(42, 83,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 34.629, 277.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 83, 137) }
```

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

```
.background{ background-color: rgb(42, 83,  
137) }
```

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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