

Converting Colors

CIELCh(36, 34.153, 271.258)

Have a look what the booklet for
CIELCh(36, 34.153, 271.258)
contains.

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Color

CIELCh(36, 34.129, 271.333)

Conversions

Conversions Part 1

Format	Color
Hex	1E578B
RGB	30, 87, 139
RGB Percent	12%, 34%, 55%
CMY	0.8808, 0.6579, 0.4539
CMYK	0.78, 0.37, 0.00, 0.45
HSL	209°, 64%, 33%
HSV	209°, 78%, 55%
XYZ	8.6533, 9.0082, 25.8088
YIQ	75.8850, -50.6640, 4.0880

Conversions

Conversions Part 2

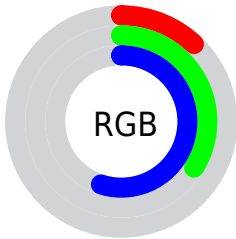
Format	Color
R_{YB}	30, 67, 139
Decimal	1988491
CIE _{Lab}	36.00, 0.79, -34.12
CIE _{LCh}	36, 34.129, 271.333
Yxy	9.0082, 0.1991, 0.2072
Android (android.graphics.Color)	4280178571 (0xFF1E578B)
YUV	75.8850, 31.1157, -40.2411
Hunter-Lab	30.0136, -1.0600, -29.9742

Details

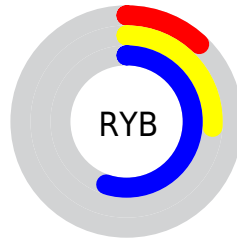
The CIELCh color **36, 34.129, 271.333** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **41, 43.499, 63.594**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 34.416, 271.782**, and **17, 32.267, 282.566** is the 20% darker color. If you saturate the color by 10%, you get **34, 38.168, 275.537**, and if you desaturate by 10%, it is **39, 30.086, 267.564**.

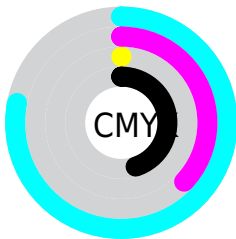
Distribution



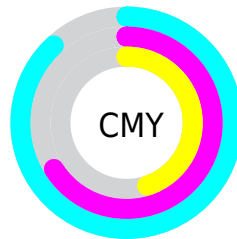
- Red (12%)
- Green (34%)
- Blue (55%)



- Red (12%)
- Yellow (26%)
- Blue (55%)



- Cyan (78%)
- Magenta (37%)
- Yellow (0%)
- Black (45%)





- Cyan (88%)
- Magenta (66%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 34.129, 271.333 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 36, 34.129, 271.333 by changing the saturation by 10% instead.


 36, 34.129,
271.333


 36, 34.129,
271.333

 100, 34.129,
271.333


 26, 34.129,
271.333

 56, 34.129,
271.333


 16, 34.129,
271.333


 66, 34.129,
271.333

 6, 34.129, 271.333

 76, 34.129,
271.333

 0, 34.129, 271.333

 86, 34.129,
271.333

 96, 34.129,
271.333

■ 36, 34.129,
271.333

■ 36, 34.129,
271.333

■ 34, 38.168,
275.537

■ 39, 30.086,
267.564

■ 31, 42.304,
279.906

■ 41, 25.978,
264.277

■ 31, 43.084,
280.644

■ 44, 21.766,
261.468

■ 47, 17.436,
259.094

■ 50, 12.992,
257.100

■ 53, 8.450, 255.430

■ 56, 3.828, 254.054

■ 59, 0.852, 72.429

Harmonies

Complementary

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



36, 34.129, 271.333



41, 43.499, 63.594

Rectangle

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



36, 34.129, 271.333



36, 34.129, 321.333



36, 34.129, 91.333



36, 34.129, 141.333

Sweetspot

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



36, 34.128, 271.334



65, 13.191, 256.281



51, 49.189, 152.465



33, 9.177, 256.840



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



36, 34.128, 271.334



42, 50.192, 279.055



21, 68.594, 302.126



28, 2.616, 254.173



29, 41.399, 280.408



1, 1.221, 252.992

Inverse Universe

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



32, 49.805, 352.483



40, 65.145, 357.673



55, 53.829, 101.822



27, 3.890, 343.153



28, 52.542, 358.711



0, 1.787, 342.474

Previews

White Background



This preview shows how the CIE LCh color 36, 34.129, 271.333 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 36, 34.129, 271.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

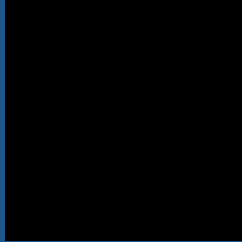
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 34.129, 271.333

Background



This preview shows how black text looks on a background with the CIELCh color 36, 34.129, 271.333.



This preview shows how white text looks on a background with the CIELCh color 36, 34.129, 271.333.

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

36, 34.129, 271.333

Protanopia

36, 32.474, 285.015

Deuteranopia

36, 34.909, 278.824



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 34.129, 271.333

Protanomaly
36, 33.000, 278.821

Deuteranomaly
36, 34.633, 276.002

Tritanomaly
36, 23.681, 234.985

Monochromacy



Original Color
36, 34.129, 271.333

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 13.891, 258.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 34.129, 271.333 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(30, 87, 139)` looks like.

```
.text, #text, p{  
  color:rgb(30, 87, 139)  
}
```

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(30, 87, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 87, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 34.129, 271.333 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(30, 87, 139) }
```

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

```
.border{ border-color:rgb(30, 87, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 87, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 87, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 87, 139);  
box-shadow:4px 4px 4px 4px rgb(30, 87,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 34.129, 271.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 87, 139) }
```

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

```
.background{ background-color: rgb(30, 87,  
139) }
```

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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