

Converting Colors

CIELCh(34, 24.642, 270.398)

Have a look what the booklet for
CIELCh(34, 24.642, 270.398)
contains.

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Color

CIELCh(34, 24.639, 270.356)

Conversions

Conversions Part 1

Format	Color
Hex	325277
RGB	50, 82, 119
RGB Percent	20%, 32%, 47%
CMY	0.8047, 0.6791, 0.5341
CMYK	0.58, 0.31, 0.00, 0.53
HSL	212°, 41%, 33%
HSV	212°, 58%, 47%
XYZ	7.6278, 8.0082, 18.5363
YIQ	76.6500, -30.9490, 4.7230

Conversions

Conversions Part 2

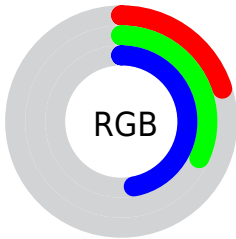
Format	Color
RYB	50, 72, 119
Decimal	3297911
CIELab	34.00, 0.15, -24.64
CIELCh	34, 24.639, 270.356
Yxy	8.0082, 0.2232, 0.2343
Android (android.graphics.Color)	4281487991 (0xFF325277)
YUV	76.6500, 20.8785, -23.3721
Hunter-Lab	28.2988, -1.4091, -19.0270

Details

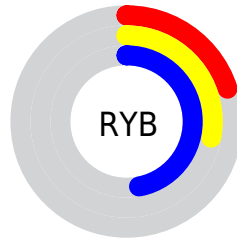
The CIELCh color **34, 24.639, 270.356** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **39, 27.845, 71.941**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 24.475, 270.432**, and **15, 23.688, 273.672** is the 20% darker color. If you saturate the color by 10%, you get **31, 28.785, 273.485**, and if you desaturate by 10%, it is **37, 20.474, 267.649**.

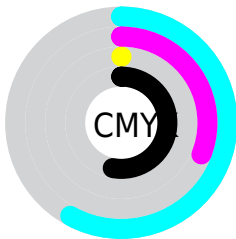
Distribution



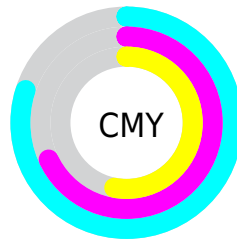
- Red (20%)
- Green (32%)
- Blue (47%)



- Red (20%)
- Yellow (28%)
- Blue (47%)



- Cyan (58%)
- Magenta (31%)
- Yellow (0%)
- Black (53%)





- Cyan (80%)
- Magenta (68%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 24.639, 270.356 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 34, 24.639, 270.356 by changing the saturation by 10% instead.


 34, 24.639,
270.356


 34, 24.639,
270.356

 100, 24.639,
270.356


 24, 24.639,
270.356

 54, 24.639,
270.356


 14, 24.639,
270.356

 64, 24.639,
270.356

 4, 24.639, 270.356

 74, 24.639,
270.356

 0, 24.639, 270.356

 84, 24.639,
270.356

 94, 24.639,
270.356

■ 34, 24.639,
270.356

■ 34, 24.639,
270.356

■ 31, 28.785,
273.485

■ 37, 20.474,
267.649

■ 29, 32.947,
277.030

■ 39, 16.276,
265.331

■ 27, 37.168,
280.936

■ 42, 12.040,
263.359

■ 24, 41.518,
284.891

■ 45, 7.772, 261.686

■ 48, 3.481, 260.286

■ 24, 42.377,
285.582

■ 50, 0.821, 78.706

■ 53, 5.123, 77.882

■ 56, 9.415, 76.982

■ 59, 13.688, 76.186

Harmonies

Complementary

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



34, 24.639, 270.356



39, 27.845, 71.941

Rectangle

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



34, 24.639, 270.356



34, 24.639, 320.356



34, 24.639, 90.356



34, 24.639, 140.356

Sweetspot

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



34, 24.638, 270.356



58, 9.112, 261.587



45, 32.031, 159.353



30, 6.140, 261.827



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



34, 24.638, 270.356



41, 36.868, 274.753



25, 45.201, 299.354



23, 2.399, 260.405



25, 43.428, 285.731



51, 77.855, 288.263

Inverse Universe

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



31, 34.279, 352.208



38, 49.487, 354.918



48, 38.554, 106.595



23, 3.272, 346.322



25, 49.116, 3.660



54, 83.140, 6.423

Previews

White Background



This preview shows how the CIE LCh color 34, 24.639, 270.356 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 34, 24.639, 270.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

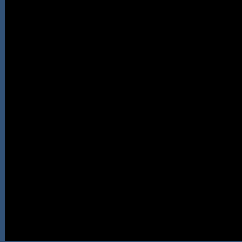
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 24.639, 270.356

Background



This preview shows how black text looks on a background with the CIELCh color 34, 24.639, 270.356.

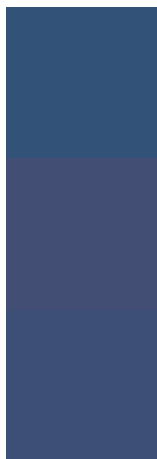


This preview shows how white text looks on a background with the CIELCh color 34, 24.639, 270.356.

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

34, 24.639, 270.356

Protanopia

34, 23.992, 285.194

Deuteranopia

34, 25.432, 281.725



Tritanopia
34, 16.623, 212.842

Trichromacy



Original Color
34, 24.639, 270.356

Protanomaly
34, 24.294, 280.047

Deuteranomaly
34, 25.089, 277.884

Tritanomaly
34, 17.307, 239.132

Monochromacy



Original Color
34, 24.639, 270.356

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 9.843, 263.495

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 24.639, 270.356 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(50, 82, 119)` looks like.

```
.text, #text, p{  
    color:rgb(50, 82, 119)  
}
```

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(50, 82, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 82, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 24.639, 270.356 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(50, 82, 119) }
```

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

```
.border{ border-color:rgb(50, 82, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 82, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 82, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 82, 119);  
box-shadow:4px 4px 4px 4px rgb(50, 82,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 24.639, 270.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 82, 119) }
```

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

```
.background{ background-color: rgb(50, 82,  
119) }
```

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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