

Converting Colors

CIELCh(32, 34.983, 270.732)

Have a look what the booklet for
CIELCh(32, 34.983, 270.732)
contains.

CIELCh(32, 34.923, 270.721)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(32, 34.923, 270.721)

Conversions

Conversions Part 1

Format	Color
Hex	004E82
RGB	0, 78, 130
RGB Percent	0%, 31%, 51%
CMY	0.9985, 0.6936, 0.4896
CMYK	1.00, 0.40, 0.00, 0.49
HSL	204°, 99%, 26%
HSV	204°, 100%, 51%
XYZ	6.7772, 7.0852, 22.1802
YIQ	60.6060, -63.1800, -0.3640

Conversions

Conversions Part 2

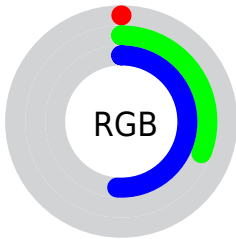
Format	Color
R_{YB}	0, 49, 130
Decimal	20098
CIE _{Lab}	32.00, 0.44, -34.92
CIE _{LCh}	32, 34.923, 270.721
Yxy	7.0852, 0.1880, 0.1966
Android (android.graphics.Color)	4278210178 (0xFF004E82)
YUV	60.6060, 34.2112, -53.1515
Hunter-Lab	26.6180, -1.1333, -30.7725

Details

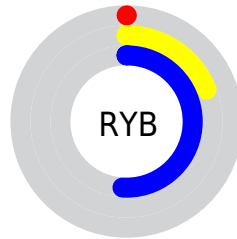
The CIELCh color **32, 34.923, 270.721** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **32, 53.579, 54.336**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 34.577, 270.178**, and **14, 32.088, 285.502** is the 20% darker color. If you saturate the color by 10%, you get **32, 35.014, 270.849**, and if you desaturate by 10%, it is **34, 32.013, 266.230**.

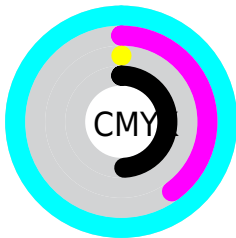
Distribution



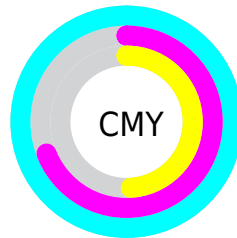
- Red (0%)
- Green (31%)
- Blue (51%)



- Red (0%)
- Yellow (19%)
- Blue (51%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (49%)





- Cyan (100%)
- Magenta (69%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 34.923, 270.721 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 32, 34.923, 270.721 by changing the saturation by 10% instead.


 32, 34.923,
270.721


 32, 34.923,
270.721

 100, 34.923,
270.721


 22, 34.923,
270.721

 52, 34.923,
270.721


 12, 34.923,
270.721


 62, 34.923,
270.721

 2, 34.923, 270.721

 72, 34.923,
270.721

 0, 34.923, 270.721

 82, 34.923,
270.721

 92, 34.923,
270.721

■ 32, 34.923,
270.721

■ 32, 34.923,
270.721

■ 32, 35.014,
270.849

■ 34, 32.013,
266.230

■ 36, 29.139,
261.881

■ 38, 26.146,
258.062

■ 40, 22.972,
254.799

■ 42, 19.585,
252.060

■ 45, 15.985,
249.786

■ 47, 12.186,
247.909

■ 49, 8.215, 246.366

Harmonies

Complementary

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



32, 34.923, 270.721



32, 53.579, 54.336

Rectangle

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



32, 34.923, 270.721



32, 34.923, 320.721



32, 34.923, 90.721



32, 34.923, 140.721

Sweetspot

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



32, 34.923, 270.722



60, 15.163, 248.077



47, 58.462, 145.410



30, 10.231, 248.706



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



32, 34.923, 270.722



41, 43.000, 272.088



15, 75.898, 304.403



27, 2.424, 245.058



32, 34.994, 270.845



0, 0.587, 244.013

Inverse Universe

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



28, 53.271, 351.912



37, 64.073, 352.736



49, 54.864, 96.233



26, 3.976, 339.295



28, 53.287, 351.983



0, 0.944, 338.670

Previews

White Background



This preview shows how the CIE LCh color 32, 34.923, 270.721 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 32, 34.923, 270.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

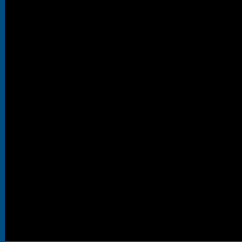
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 34.923, 270.721

Background



This preview shows how black text looks on a background with the CIELCh color 32, 34.923, 270.721.



This preview shows how white text looks on a background with the CIELCh color 32, 34.923, 270.721.

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

32, 34.923, 270.721

Protanopia

32, 33.067, 285.417

Deuteranopia

32, 35.673, 278.264



Tritanopia
32, 21.626, 206.870

Trichromacy



Original Color
32, 34.923, 270.721

Protanomaly
32, 33.835, 277.492

Deuteranomaly
32, 35.488, 274.981

Tritanomaly
32, 22.981, 237.287

Monochromacy



Original Color
32, 34.923, 270.721

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 15.277, 253.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 34.923, 270.721 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(0, 78, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 130)  
}
```

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(0, 78, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 34.923, 270.721 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(0, 78, 130) }
```

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

```
.border{ border-color:rgb(0, 78, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 78, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 78, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 78, 130)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 34.923, 270.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 78, 130) }
```

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

```
.background{ background-color: rgb(0, 78,  
130) }
```

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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