

Converting Colors

CIELCh(34, 24.737, 240.597)

Have a look what the booklet for
CIELCh(34, 24.737, 240.597)
contains.

CIELCh(34, 24.696, 241.383)	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(34, 24.696, 241.383)

Conversions

Conversions Part 1

Format	Color
Hex	005772
RGB	0, 87, 114
RGB Percent	0%, 34%, 45%
CMY	1.0000, 0.6593, 0.5534
CMYK	1.00, 0.24, 0.00, 0.55
HSL	194°, 100%, 22%
HSV	194°, 100%, 45%
XYZ	6.4259, 8.0082, 17.0909
YIQ	64.0650, -60.5190, -10.0470

Conversions

Conversions Part 2

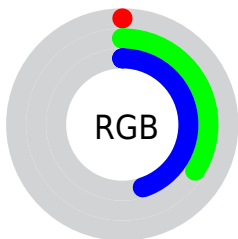
Format	Color
RYB	0, 49, 114
Decimal	22386
CIELab	34.00, -11.83, -21.68
CIELCh	34, 24.696, 241.383
Yxy	8.0082, 0.2038, 0.2540
Android (android.graphics.Color)	4278212466 (0xFF005772)
YUV	64.0650, 24.6180, -56.1850
Hunter-Lab	28.2988, -8.9906, -15.9988

Details

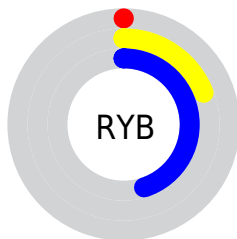
The CIELCh color **34, 24.696, 241.383** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **25, 51.667, 44.580**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 24.704, 241.057**, and **16, 19.276, 260.225** is the 20% darker color. If you saturate the color by 10%, you get **34, 24.681, 241.418**, and if you desaturate by 10%, it is **35, 23.641, 237.875**.

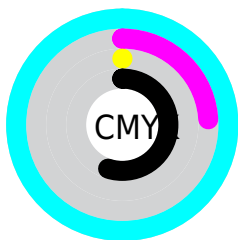
Distribution



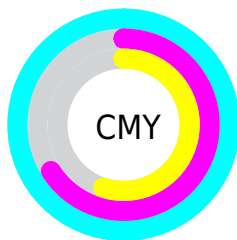
- Red (0%)
- Green (34%)
- Blue (45%)



- Red (0%)
- Yellow (19%)
- Blue (45%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (66%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 24.696, 241.383 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, 24.696, 241.383 by changing the saturation by 10% instead.

 34, 24.696,
241.383

 34, 24.696,
241.383

 100, 24.696,
241.383

 24, 24.696,
241.383

 54, 24.696,
241.383

 14, 24.696,
241.383

 64, 24.696,
241.383

 4, 24.696, 241.383

 74, 24.696,
241.383

 0, 24.696, 241.383

 84, 24.696,
241.383

 94, 24.696,
241.383

■ 34, 24.696,
241.383

■ 34, 24.696,
241.383

■ 34, 24.681,
241.418

■ 35, 23.641,
237.875

■ 36, 22.442,
234.601

■ 37, 20.866,
231.919

■ 39, 18.886,
229.766

■ 40, 16.508,
228.063

■ 41, 13.762,
226.732

■ 43, 10.690,
225.708

■ 45, 7.341, 224.934

Harmonies

Complementary

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



34, 24.696, 241.383



25, 51.667, 44.580

Rectangle

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



34, 24.696, 241.383



34, 24.696, 291.383



34, 24.696, 61.383



34, 24.696, 111.383

Sweetspot

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



34, 24.681, 241.418



55, 13.210, 225.778



41, 59.866, 140.152



27, 8.859, 226.084



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



34, 24.681, 241.418



44, 29.959, 242.668



16, 56.996, 298.476



23, 2.096, 224.344



36, 25.625, 241.684



72, 44.299, 244.442

Inverse Universe

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



24, 53.523, 339.851



33, 64.364, 340.231



38, 46.172, 82.917



22, 3.885, 332.370



26, 55.462, 339.931



56, 93.844, 340.782

Previews

White Background



This preview shows how the CIELCh color 34, 24.696, 241.383 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 CIELCh color 34, 24.696, 241.383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

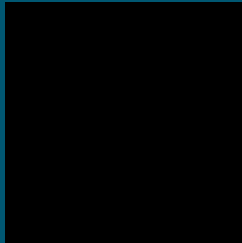
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 24.696, 241.383

Background



This preview shows how black text looks on a background with the CIELCh color 34, 24.696, 241.383.



This preview shows how white text looks on a background with the CIELCh color 34, 24.696, 241.383.

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, 24.696, 241.383

Protanopia

34, 18.278, 285.219

Deuteranopia

34, 23.425, 283.193



Tritanopia
34, 22.463, 208.059

Trichromacy



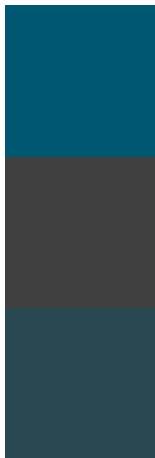
Original Color
34, 24.696, 241.383

Protanomaly
33, 20.417, 258.911

Deuteranomaly
33, 23.298, 262.445

Tritanomaly
34, 22.462, 222.065

Monochromacy



Original Color
34, 24.696, 241.383

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 12.693, 228.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 24.696, 241.383 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, 87, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 114)  
}
```

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, 87, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 24.696, 241.383 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, 87, 114) }
```

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

```
.border{ border-color:rgb(0, 87, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 87, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 87, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 87, 114)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 24.696, 241.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 114) }
```

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

```
.background{ background-color: rgb(0, 87,  
114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor