

Converting Colors

CIELCh(34, 24.954, 242.773)

Have a look what the booklet for
CIELCh(34, 24.954, 242.773)
contains.

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Color

CIELCh(34, 24.994, 242.783)

Conversions

Conversions Part 1

Format	Color
Hex	005773
RGB	0, 87, 115
RGB Percent	0%, 34%, 45%
CMY	1.0000, 0.6597, 0.5500
CMYK	1.00, 0.24, 0.00, 0.55
HSL	195°, 100%, 23%
HSV	195°, 100%, 45%
XYZ	6.4635, 8.0082, 17.3525
YIQ	64.1790, -60.8400, -9.7360

Conversions

Conversions Part 2

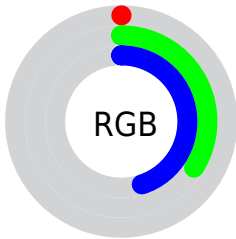
Format	Color
RYB	0, 50, 115
Decimal	22387
CIELab	34.00, -11.43, -22.23
CIELCh	34, 24.994, 242.783
Yxy	8.0082, 0.2031, 0.2516
Android (android.graphics.Color)	4278212467 (0xFF005773)
YUV	64.1790, 25.0548, -56.2850
Hunter-Lab	28.2988, -8.7532, -16.5467

Details

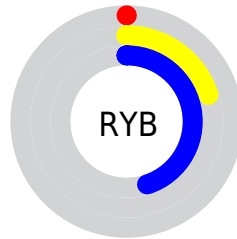
The CIELCh color **34, 24.994, 242.783** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **25, 51.875, 44.939**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 25.010, 242.252**, and **16, 19.790, 261.838** is the 20% darker color. If you saturate the color by 10%, you get **34, 24.964, 242.853**, and if you desaturate by 10%, it is **35, 23.873, 239.216**.

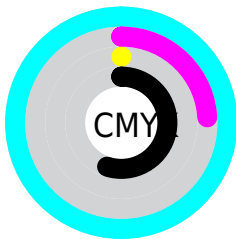
Distribution



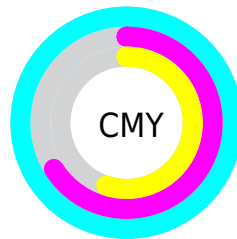
- Red (0%)
- Green (34%)
- Blue (45%)



- Red (0%)
- Yellow (20%)
- 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, 24.994, 242.783 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, 24.994, 242.783 by changing the saturation by 10% instead.

 34, 24.994,
242.783

 34, 24.994,
242.783

 100, 24.994,
242.783

 24, 24.994,
242.783

 54, 24.994,
242.783

 14, 24.994,
242.783

 64, 24.994,
242.783

 4, 24.994, 242.783

 74, 24.994,
242.783

 0, 24.994, 242.783

 84, 24.994,
242.783

 94, 24.994,
242.783

■ 34, 24.994,
242.783

■ 34, 24.994,
242.783

■ 34, 24.964,
242.853

■ 35, 23.873,
239.216

■ 36, 22.630,
235.849

■ 37, 21.017,
233.085

■ 39, 19.006,
230.859

■ 40, 16.601,
229.093

■ 42, 13.832,
227.709

■ 43, 10.740,
226.638

■ 45, 7.373, 225.824

Harmonies

Complementary

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



34, 24.994, 242.783



25, 51.875, 44.939

Rectangle

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



34, 24.994, 242.783



34, 24.994, 292.783



34, 24.994, 62.783



34, 24.994, 112.783

Sweetspot

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



34, 24.964, 242.853



56, 13.373, 226.713



42, 60.219, 140.136



28, 9.093, 227.047



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



34, 24.964, 242.853



45, 30.541, 244.162



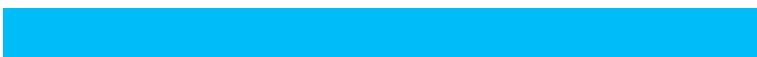
16, 57.359, 298.505



24, 2.170, 225.198



36, 26.181, 243.192



72, 44.979, 245.923

Inverse Universe

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



25, 53.557, 340.287



33, 64.846, 340.694



38, 46.423, 82.897



23, 4.013, 332.632



27, 56.020, 340.392



56, 94.104, 341.255

Previews

White Background



This preview shows how the CIELCh color 34, 24.994, 242.783 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, 24.994, 242.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

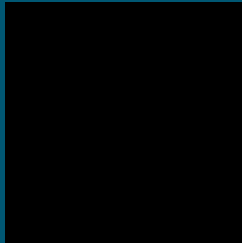
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 24.994, 242.783

Background



This preview shows how black text looks on a background with the CIELCh color 34, 24.994, 242.783.



This preview shows how white text looks on a background with the CIELCh color 34, 24.994, 242.783.

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, 24.994, 242.783

Protanopia

34, 18.893, 285.622

Deuteranopia

34, 22.882, 281.109

Trichromacy



Original Color
34, 24.994, 242.783

Protanomaly
33, 20.898, 260.135

Deuteranomaly
33, 23.893, 263.001

Monochromacy



Original Color
34, 24.994, 242.783

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, 24.994, 242.783 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 24.994, 242.783 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, 115) }
```

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

```
.border{ border-color:rgb(0, 87, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 87, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 87, 115)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 24.994, 242.783 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, 115) }
```

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

```
.background{ background-color: rgb(0, 87,  
115) }
```

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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