

Converting Colors

CIELCh(33, 30.236, 236.085)

Have a look what the booklet for
CIELCh(33, 30.236, 236.085)
contains.

CIELCh(34, 25.628, 245.486)	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, 25.628, 245.486)

Conversions

Conversions Part 1

Format	Color
Hex	005775
RGB	0, 87, 117
RGB Percent	0%, 34%, 46%
CMY	1.0000, 0.6606, 0.5431
CMYK	1.00, 0.26, 0.00, 0.54
HSL	195°, 100%, 23%
HSV	195°, 100%, 46%
XYZ	6.5396, 8.0082, 17.8816
YIQ	64.4070, -61.4820, -9.1140

Conversions

Conversions Part 2

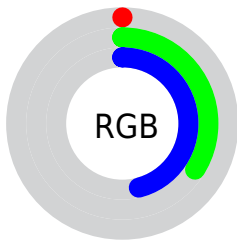
Format	Color
RYB	0, 50, 117
Decimal	22389
CIELab	34.00, -10.63, -23.32
CIELCh	34, 25.628, 245.486
Yxy	8.0082, 0.2017, 0.2469
Android (android.graphics.Color)	4278212469 (0xFF005775)
YUV	64.4070, 25.9283, -56.4849
Hunter-Lab	28.2988, -8.2731, -17.6554

Details

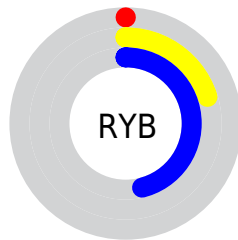
The CIELCh color **34, 25.628, 245.486** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **26, 52.282, 45.653**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 25.499, 244.927**, and **16, 20.854, 264.826** is the 20% darker color. If you saturate the color by 10%, you get **34, 25.571, 245.629**, and if you desaturate by 10%, it is **35, 24.372, 241.819**.

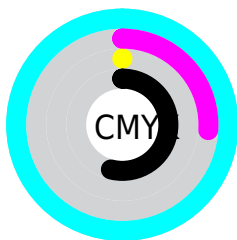
Distribution



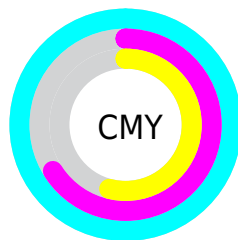
- Red (0%)
- Green (34%)
- Blue (46%)



- Red (0%)
- Yellow (20%)
- Blue (46%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (54%)



- Cyan (100%)
- Magenta (66%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 25.628, 245.486 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, 25.628, 245.486 by changing the saturation by 10% instead.

 34, 25.628,
245.486

 34, 25.628,
245.486

 100, 25.628,
245.486

 24, 25.628,
245.486

 54, 25.628,
245.486

 14, 25.628,
245.486

 64, 25.628,
245.486

 4, 25.628, 245.486

 74, 25.628,
245.486

 0, 25.628, 245.486

 84, 25.628,
245.486

 94, 25.628,
245.486

■ 34, 25.628,
245.486

■ 34, 25.628,
245.486

■ 34, 25.571,
245.629

■ 35, 24.372,
241.819

■ 36, 23.033,
238.282

■ 38, 21.341,
235.362

■ 39, 19.263,
232.998

■ 41, 16.801,
231.112

■ 42, 13.982,
229.625

■ 44, 10.847,
228.464

■ 45, 7.440, 227.573

Harmonies

Complementary

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



34, 25.628, 245.486



26, 52.282, 45.653

Rectangle

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



34, 25.628, 245.486



34, 25.628, 295.486



34, 25.628, 65.486



34, 25.628, 115.486

Sweetspot

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



34, 25.571, 245.629



56, 13.342, 228.541



42, 60.293, 140.548



28, 9.075, 228.903



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, 25.571, 245.629



44, 30.974, 246.899



16, 59.425, 299.318



24, 2.161, 226.871



36, 26.526, 245.896



71, 45.698, 248.717

Inverse Universe

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



25, 53.635, 341.160



33, 64.250, 341.573



39, 47.163, 84.316



23, 3.975, 333.140



27, 55.511, 341.246



56, 93.220, 342.179

Previews

White Background



This preview shows how the CIELCh color 34, 25.628, 245.486 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, 25.628, 245.486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

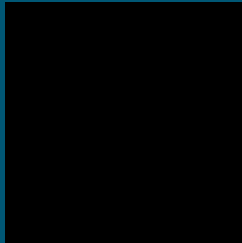
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 25.628, 245.486

Background



This preview shows how black text looks on a background with the CIELCh color 34, 25.628, 245.486.



This preview shows how white text looks on a background with the CIELCh color 34, 25.628, 245.486.

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, 25.628, 245.486

Protanopia

34, 20.159, 285.396

Deuteranopia

34, 24.135, 281.369



Tritanopia
34, 22.463, 208.059

Trichromacy



Original Color
34, 25.628, 245.486

Protanomaly
34, 21.993, 261.861

Deuteranomaly
34, 24.394, 264.005

Tritanomaly
34, 22.462, 222.065

Monochromacy



Original Color
34, 25.628, 245.486

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 12.937, 231.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 25.628, 245.486 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 25.628, 245.486 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, 117) }
```

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

```
.border{ border-color:rgb(0, 87, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 87, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 87, 117)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 25.628, 245.486 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, 117) }
```

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

```
.background{ background-color: rgb(0, 87,  
117) }
```

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