

Converting Colors

CIELCh(29, 56.007, 215.243)

Have a look what the booklet for
CIELCh(29, 56.007, 215.243)
contains.

CIELCh(34, 26.215, 248.457)	3
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Color

CIELCh(34, 26.215, 248.457)

Conversions

Conversions Part 1

Format	Color
Hex	015676
RGB	1, 86, 118
RGB Percent	0%, 34%, 46%
CMY	0.9977, 0.6619, 0.5363
CMYK	1.00, 0.27, 0.00, 0.54
HSL	196°, 99%, 23%
HSV	196°, 100%, 46%
XYZ	6.6365, 8.0082, 18.4088
YIQ	64.2330, -60.9320, -8.0680

Conversions

Conversions Part 2

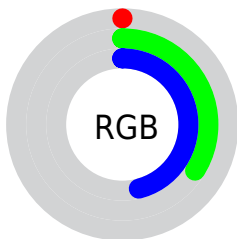
Format	Color
R_{YB}	1, 50, 118
Decimal	87670
CIE _{Lab}	34.00, -9.63, -24.38
CIE _{LCh}	34, 26.215, 248.457
Yxy	8.0082, 0.2008, 0.2423
Android (android.graphics.Color)	4278277750 (0xFF015676)
YUV	64.2330, 26.5071, -55.4553
Hunter-Lab	28.2988, -7.6617, -18.7598

Details

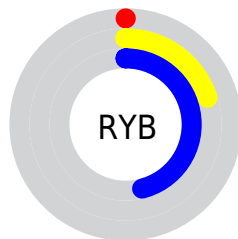
The CIELCh color **34, 26.215, 248.457** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **27, 52.383, 46.459**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 26.039, 247.582**, and **16, 21.374, 266.887** is the 20% darker color. If you saturate the color by 10%, you get **34, 26.282, 248.643**, and if you desaturate by 10%, it is **35, 24.886, 244.471**.

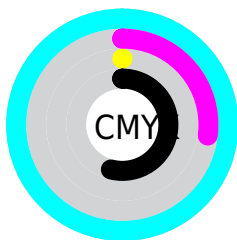
Distribution



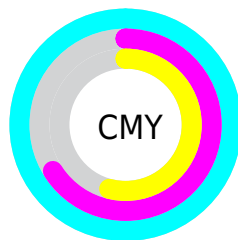
- Red (0%)
- Green (34%)
- Blue (46%)



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



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (54%)



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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 26.215, 248.457 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, 26.215, 248.457 by changing the saturation by 10% instead.


 34, 26.215,
248.457


 34, 26.215,
248.457


 100, 26.215,
248.457


 24, 26.215,
248.457

 54, 26.215,
248.457


 14, 26.215,
248.457


 64, 26.215,
248.457

 4, 26.215, 248.457

 74, 26.215,
248.457

 0, 26.215, 248.457

 84, 26.215,
248.457

 94, 26.215,
248.457

■ 34, 26.215,
248.457

■ 34, 26.215,
248.457

■ 34, 26.282,
248.643

■ 35, 24.886,
244.471

■ 37, 23.416,
240.795

■ 38, 21.610,
237.744

■ 39, 19.434,
235.262

■ 41, 16.888,
233.272

■ 43, 13.996,
231.692

■ 44, 10.797,
230.451

■ 46, 7.337, 229.487

Harmonies

Complementary

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



34, 26.215, 248.457



27, 52.383, 46.459

Rectangle

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



34, 26.215, 248.457



34, 26.215, 298.457



34, 26.215, 68.457



34, 26.215, 118.457

Sweetspot

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



34, 26.214, 248.458



56, 13.505, 230.587



43, 60.137, 141.052



28, 9.066, 230.974



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, 26.214, 248.458



44, 31.938, 249.947



16, 61.168, 299.963



24, 2.154, 228.744



35, 26.974, 248.836



70, 46.615, 251.739

Inverse Universe

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



25, 53.573, 342.090



34, 64.379, 342.601



40, 47.786, 85.788



23, 3.933, 333.716



26, 54.962, 342.220



56, 92.270, 343.235

Previews

White Background



This preview shows how the CIE LCh color 34, 26.215, 248.457 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, 26.215, 248.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

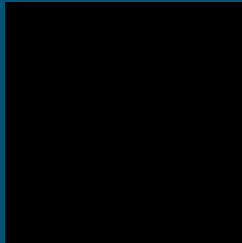
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 26.215, 248.457

Background



This preview shows how black text looks on a background with the CIELCh color 34, 26.215, 248.457.

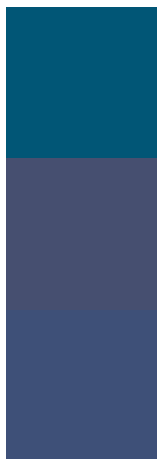


This preview shows how white text looks on a background with the CIELCh color 34, 26.215, 248.457.

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, 26.169, 248.586

Protanopia

34, 20.811, 284.850

Deuteranopia

34, 25.438, 280.986



Tritanopia
34, 22.463, 208.059

Trichromacy



Original Color
34, 26.169, 248.586

Protanomaly
34, 22.491, 262.948

Deuteranomaly
34, 25.497, 265.464

Tritanomaly
34, 22.566, 223.767

Monochromacy



Original Color
34, 26.169, 248.586

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 13.208, 234.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 26.215, 248.457 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(1, 86, 118)` looks like.

```
.text, #text, p{  
    color:rgb(1, 86, 118)  
}
```

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(1, 86, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 86, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 26.215, 248.457 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(1, 86, 118) }
```

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

```
.border{ border-color:rgb(1, 86, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 86, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 86, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 86, 118);  
box-shadow:4px 4px 4px 4px rgb(1, 86, 118)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 26.215, 248.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 86, 118) }
```

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

```
.background{ background-color: rgb(1, 86,  
118) }
```

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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