

Converting Colors

CIELCh(34, 24.014, 236.632)

Have a look what the booklet for
CIELCh(34, 24.014, 236.632)
contains.

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Color

CIELCh(34, 23.884, 236.989)

Conversions

Conversions Part 1

Format	Color
Hex	01576F
RGB	1, 87, 111
RGB Percent	0%, 34%, 44%
CMY	0.9979, 0.6580, 0.5638
CMYK	1.00, 0.22, 0.00, 0.56
HSL	193°, 99%, 22%
HSV	193°, 100%, 44%
XYZ	6.3145, 8.0082, 16.3183
YIQ	64.0220, -58.9600, -10.7680

Conversions

Conversions Part 2

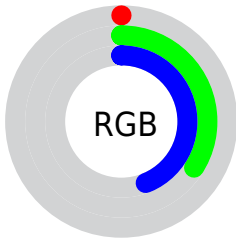
Format	Color
R_{YB}	1, 49, 111
Decimal	87919
CIE _{Lab}	34.00, -13.01, -20.03
CIE _{LCh}	34, 23.884, 236.989
Yxy	8.0082, 0.2061, 0.2614
Android (android.graphics.Color)	4278277999 (0xFF01576F)
YUV	64.0220, 23.1602, -55.2703
Hunter-Lab	28.2988, -9.6932, -14.3800

Details

The CIELCh color **34, 23.884, 236.989** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 50.791, 43.527**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 23.846, 237.304**, and **16, 17.819, 254.862** is the 20% darker color. If you saturate the color by 10%, you get **34, 23.929, 237.138**, and if you desaturate by 10%, it is **35, 22.978, 233.744**.

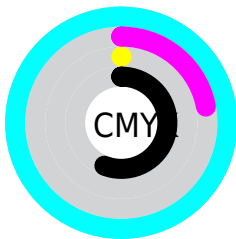
Distribution



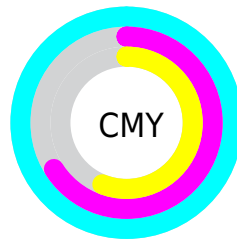
- Red (0%)
- Green (34%)
- Blue (44%)



- Red (0%)
- Yellow (19%)
- Blue (44%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (56%)



- Cyan (100%)
- Magenta (66%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 23.884, 236.989 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, 23.884, 236.989 by changing the saturation by 10% instead.


 34, 23.884,
236.989

 34, 23.884,
236.989

 100, 23.884,
236.989


 24, 23.884,
236.989

 54, 23.884,
236.989


 14, 23.884,
236.989

 64, 23.884,
236.989

 4, 23.884, 236.989

 74, 23.884,
236.989

 0, 23.884, 236.989

 84, 23.884,
236.989

 94, 23.884,
236.989

■ 34, 23.884,
236.989

■ 34, 23.884,
236.989

■ 34, 23.929,
237.138

■ 35, 22.978,
233.744

■ 36, 21.879,
230.788

■ 37, 20.380,
228.389

■ 38, 18.461,
226.480

■ 40, 16.134,
224.984

■ 41, 13.433,
223.830

■ 42, 10.401,
222.956

■ 44, 7.090, 222.312

Harmonies

Complementary

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



34, 23.884, 236.989



24, 50.791, 43.527

Rectangle

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



34, 23.884, 236.989



34, 23.884, 286.989



34, 23.884, 56.989



34, 23.884, 106.989

Sweetspot

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



34, 23.883, 236.989



54, 13.106, 223.054



40, 59.224, 139.836



27, 8.910, 223.323



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, 23.883, 236.989



44, 29.116, 238.352



16, 54.298, 297.451



23, 2.113, 221.863



37, 25.263, 237.504



73, 43.499, 240.080

Inverse Universe

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



24, 53.316, 338.553



32, 64.486, 338.947



36, 45.055, 81.581



22, 3.941, 331.629



26, 56.252, 338.703



56, 95.236, 339.452

Previews

White Background



This preview shows how the CIELCh color 34, 23.884, 236.989 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, 23.884, 236.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

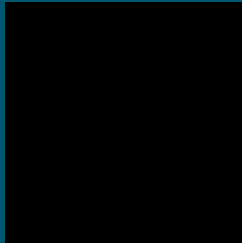
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

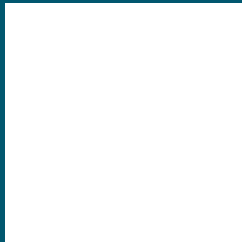
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 23.884, 236.989

Background



This preview shows how black text looks on a background with the CIELCh color 34, 23.884, 236.989.

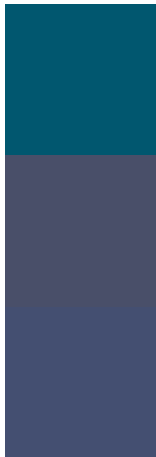


This preview shows how white text looks on a background with the CIELCh color 34, 23.884, 236.989.

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, 23.824, 237.114

Protanopia

34, 16.392, 285.116

Deuteranopia

34, 21.510, 283.488



Tritanopia
34, 22.463, 208.059

Trichromacy



Original Color
34, 23.824, 237.114

Protanomaly
33, 18.884, 255.553

Deuteranomaly
33, 21.731, 259.614

Tritanomaly
34, 22.376, 220.349

Monochromacy



Original Color
34, 23.824, 237.114

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 12.478, 225.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 23.884, 236.989 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, 87, 111)` looks like.

```
.text, #text, p{  
    color:rgb(1, 87, 111)  
}
```

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, 87, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 87, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 23.884, 236.989 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, 87, 111) }
```

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

```
.border{ border-color:rgb(1, 87, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 87, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 87, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 87, 111);  
box-shadow:4px 4px 4px 4px rgb(1, 87, 111)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 23.884, 236.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 87, 111) }
```

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

```
.background{ background-color: rgb(1, 87,  
111) }
```

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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