

Converting Colors

CIELCh(44, 34.999, 257.233)

Have a look what the booklet for
CIELCh(44, 34.999, 257.233)
contains.

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Color

CIELCh(44, 34.722, 256.663)

Conversions

Conversions Part 1

Format	Color
Hex	006FA0
RGB	0, 111, 160
RGB Percent	0%, 44%, 63%
CMY	1.0000, 0.5657, 0.3736
CMYK	1.00, 0.31, 0.00, 0.37
HSL	198°, 100%, 31%
HSV	198°, 100%, 63%
XYZ	11.9682, 13.8382, 35.1766
YIQ	83.3970, -81.8850, -8.2930

Conversions

Conversions Part 2

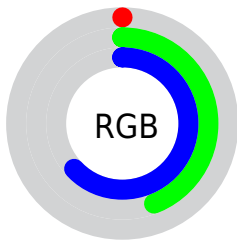
Format	Color
R_{YB}	0, 66, 160
Decimal	28576
CIE _{Lab}	44.00, -8.01, -33.79
CIE _{LCh}	44, 34.722, 256.663
Yxy	13.8382, 0.1963, 0.2269
Android (android.graphics.Color)	4278218656 (0xFF006FA0)
YUV	83.3970, 37.7653, -73.1392
Hunter-Lab	37.1997, -7.6710, -30.0256

Details

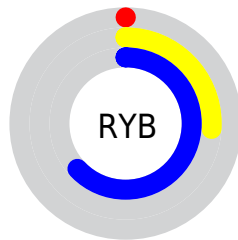
The CIELCh color **44, 34.722, 256.663** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **37, 66.139, 48.128**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 34.820, 257.274**, and **26, 30.555, 270.648** is the 20% darker color. If you saturate the color by 10%, you get **44, 34.698, 256.726**, and if you desaturate by 10%, it is **46, 32.690, 252.065**.

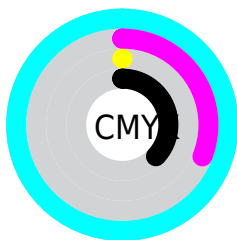
Distribution



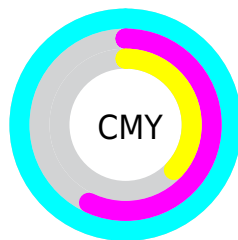
- Red (0%)
- Green (44%)
- Blue (63%)



- Red (0%)
- Yellow (26%)
- Blue (63%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (57%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 34.722, 256.663 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 44, 34.722, 256.663 by changing the saturation by 10% instead.


 44, 34.722,
256.663

 44, 34.722,
256.663


 100, 34.722,
256.663

 34, 34.722,
256.663

 64, 34.722,
256.663

 24, 34.722,
256.663

 74, 34.722,
256.663

 14, 34.722,
256.663

 84, 34.722,
256.663

 4, 34.722, 256.663

 94, 34.722,
256.663

 0, 34.722, 256.663

 44, 34.722,

 44, 34.722,

256.663

■ 44, 34.698,
256.726

256.663

■ 46, 32.690,
252.065

■ 47, 30.544,
247.805

■ 49, 28.060,
244.203

■ 51, 25.167,
241.235

■ 54, 21.844,
238.830

■ 56, 18.110,
236.902

■ 58, 14.004,
235.370

■ 61, 9.582, 234.161

Harmonies

Complementary

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



44, 34.722, 256.663



37, 66.139, 48.128

Rectangle

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



44, 34.722, 256.663



44, 34.722, 306.663



44, 34.722, 76.663



44, 34.722, 126.663

Sweetspot

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



44, 34.698, 256.726



74, 17.238, 235.446



57, 74.349, 141.381



38, 11.717, 236.020



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



44, 34.698, 256.726



56, 42.382, 257.765



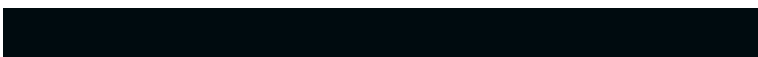
22, 81.709, 302.148



32, 2.750, 233.175



39, 31.819, 256.192



2, 3.666, 236.773

Inverse Universe

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



35, 64.934, 345.127



46, 78.309, 345.549



55, 60.294, 88.062



31, 4.923, 335.141



31, 59.928, 344.914



1, 6.233, 336.028

Previews

White Background



This preview shows how the CIE LCh color 44, 34.722, 256.663 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 × Fail

Black Background



This preview shows how the CIE LCh color 44, 34.722, 256.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

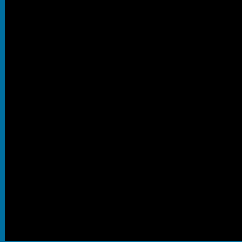
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 34.722, 256.663

Background



This preview shows how black text looks on a background with the CIELCh color 44, 34.722, 256.663.



This preview shows how white text looks on a background with the CIELCh color 44, 34.722, 256.663.

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


44, 34.722, 256.663

Protanopia

44, 30.138, 285.156

Deuteranopia

44, 34.733, 280.226



Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 34.722, 256.663

Protanomaly
43, 32.186, 269.032

Deuteranomaly
43, 35.285, 269.368

Tritanomaly
44, 27.445, 229.220

Monochromacy



Original Color
44, 34.722, 256.663

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 16.937, 239.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 34.722, 256.663 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, 111, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 160)  
}
```

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, 111, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 34.722, 256.663 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, 111, 160) }
```

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

```
.border{ border-color:rgb(0, 111, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 34.722, 256.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 160) }
```

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

```
.background{ background-color: rgb(0, 111,  
160) }
```

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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