

Converting Colors

CIELCh(44, 34.803, 257.989)

Have a look what the booklet for
CIELCh(44, 34.803, 257.989)
contains.

CIELCh(44, 34.874, 258.360)	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(44, 34.874, 258.360)

Conversions

Conversions Part 1

Format	Color
Hex	096EA0
RGB	9, 110, 160
RGB Percent	4%, 43%, 63%
CMY	0.9633, 0.5673, 0.3711
CMYK	0.94, 0.31, 0.00, 0.37
HSL	200°, 89%, 33%
HSV	200°, 94%, 63%
XYZ	12.1082, 13.8382, 35.4628
YIQ	85.5010, -76.2460, -5.8620

Conversions

Conversions Part 2

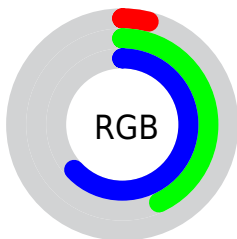
Format	Color
R_{YB}	9, 70, 160
Decimal	618144
CIE Lab	44.00, -7.04, -34.16
CIE LCh	44, 34.874, 258.360
Yxy	13.8382, 0.1972, 0.2253
Android (android.graphics.Color)	4278808224 (0xFF096EA0)
YUV	85.5010, 36.7280, -67.0914
Hunter-Lab	37.1997, -6.9993, -30.4819

Details

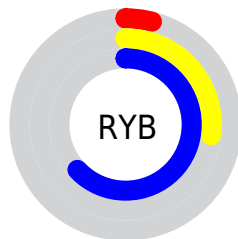
The CIELCh color **44, 34.874, 258.360** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 61.814, 49.811**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 34.933, 258.898**, and **26, 31.100, 271.898** is the 20% darker color. If you saturate the color by 10%, you get **43, 36.269, 261.112**, and if you desaturate by 10%, it is **46, 32.503, 253.715**.

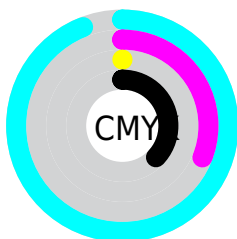
Distribution



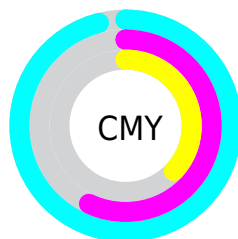
- Red (4%)
- Green (43%)
- Blue (63%)



- Red (4%)
- Yellow (27%)
- Blue (63%)



- Cyan (94%)
- Magenta (31%)
- Yellow (0%)
- Black (37%)




- Cyan (96%)
- Magenta (57%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 34.874, 258.360 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, 34.874, 258.360 by changing the saturation by 10% instead.


 44, 34.874,
258.360

 44, 34.874,
258.360


 100, 34.874,
258.360

 34, 34.874,
258.360

 64, 34.874,
258.360


 24, 34.874,
258.360

 74, 34.874,
258.360

 14, 34.874,
258.360

 84, 34.874,
258.360

 4, 34.874, 258.360

 94, 34.874,
258.360

 0, 34.874, 258.360

 44, 34.874,

 44, 34.874,

258.360

258.360

■ 43, 36.269,
261.112

■ 46, 32.503,
253.715

■ 48, 29.902,
249.683

■ 50, 26.968,
246.292

■ 52, 23.655,
243.500

■ 55, 19.958,
241.233

■ 57, 15.906,
239.407

■ 60, 11.540,
237.945

■ 62, 6.912, 236.787

Harmonies

Complementary

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



44, 34.874, 258.360



39, 61.814, 49.811

Rectangle

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



44, 34.874, 258.360



44, 34.874, 308.360



44, 34.874, 78.360



44, 34.874, 128.360

Sweetspot

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



44, 34.873, 258.361



75, 16.420, 238.543



58, 71.095, 142.963



38, 11.194, 239.155



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, 34.873, 258.361



55, 44.666, 262.187



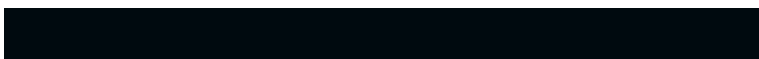
23, 78.913, 301.344



32, 2.753, 236.324



38, 33.127, 260.553



2, 3.678, 239.721

Inverse Universe

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



36, 63.625, 345.797



46, 77.847, 347.469



56, 59.697, 90.236



31, 4.837, 336.178



31, 59.042, 346.734



1, 6.126, 337.068

Previews

White Background



This preview shows how the CIE LCh color 44, 34.874, 258.360 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, 34.874, 258.360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

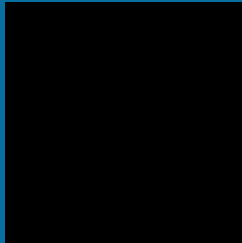
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 34.874, 258.360

Background



This preview shows how black text looks on a background with the CIELCh color 44, 34.874, 258.360.



This preview shows how white text looks on a background with the CIELCh color 44, 34.874, 258.360.

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, 34.850, 258.430

Protanopia

44, 30.757, 284.898

Deuteranopia

44, 35.345, 280.213



Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 34.850, 258.430

Protanomaly
43, 32.487, 270.685

Deuteranomaly
44, 35.105, 270.159

Tritanomaly
44, 27.302, 229.420

Monochromacy



Original Color
44, 34.850, 258.430

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 16.324, 241.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 34.874, 258.360 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(9, 110, 160)` looks like.

```
.text, #text, p{  
    color:rgb(9, 110, 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(9, 110, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 110, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 34.874, 258.360 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(9, 110, 160) }
```

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

```
.border{ border-color:rgb(9, 110, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 110, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 110, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 110, 160);  
box-shadow:4px 4px 4px 4px rgb(9, 110,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 34.874, 258.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 110, 160) }
```

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

```
.background{ background-color: rgb(9, 110,  
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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