

Converting Colors

CIELCh(44, 34.599, 257.770)

Have a look what the booklet for
CIELCh(44, 34.599, 257.770)
contains.

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Color

CIELCh(44, 34.850, 258.430)

Conversions

Conversions Part 1

Format	Color
Hex	0A6EA0
RGB	10, 110, 160
RGB Percent	4%, 43%, 63%
CMY	0.9597, 0.5674, 0.3712
CMYK	0.94, 0.31, 0.00, 0.37
HSL	200°, 88%, 33%
HSV	200°, 94%, 63%
XYZ	12.1149, 13.8382, 35.4513
YIQ	85.8000, -75.6500, -5.6500

Conversions

Conversions Part 2

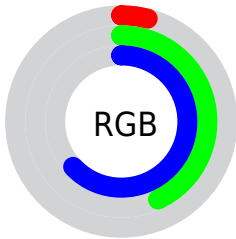
Format	Color
R_{YB}	10, 70, 160
Decimal	683680
CIE _{Lab}	44.00, -6.99, -34.14
CIE _{LCh}	44, 34.850, 258.430
Yxy	13.8382, 0.1973, 0.2254
Android (android.graphics.Color)	4278873760 (0xFF0A6EA0)
YUV	85.8000, 36.5806, -66.4766
Hunter-Lab	37.1997, -6.9670, -30.4635

Details

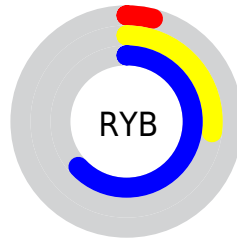
The CIELCh color **44, 34.850, 258.430** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 61.414, 50.013**, and the grayscale version is **36, 0.005, 296.813**.

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, 36.395, 261.461**, and if you desaturate by 10%, it is **46, 32.443, 253.809**.

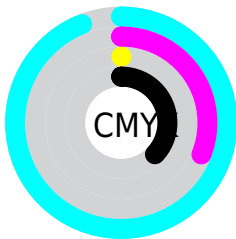
Distribution



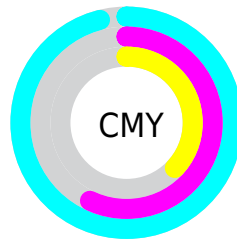
- Red (4%)
- Green (43%)
- Blue (63%)



- 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, 34.850, 258.430 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, 34.850, 258.430 by changing the saturation by 10% instead.


 44, 34.850,
258.430

 44, 34.850,
258.430


 100, 34.850,
258.430


 34, 34.850,
258.430

 64, 34.850,
258.430


 24, 34.850,
258.430

 74, 34.850,
258.430

 14, 34.850,
258.430

 84, 34.850,
258.430

 4, 34.850, 258.430

 94, 34.850,
258.430

 0, 34.850, 258.430

 44, 34.850,

 44, 34.850,

258.430

■ 43, 36.395,
261.461

258.430

■ 46, 32.443,
253.809

■ 48, 29.802,
249.803

■ 50, 26.830,
246.436

■ 52, 23.481,
243.664

■ 55, 19.753,
241.412

■ 57, 15.675,
239.598

■ 60, 11.288,
238.145

■ 62, 6.644, 236.995

Harmonies

Complementary

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



44, 34.850, 258.430



39, 61.414, 50.013

Rectangle

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



44, 34.850, 258.430



44, 34.850, 308.430



44, 34.850, 78.430



44, 34.850, 128.430

Sweetspot

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



44, 34.849, 258.431



75, 16.429, 238.822



58, 70.827, 143.074



38, 11.201, 239.438



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, 34.849, 258.431



55, 44.833, 262.537



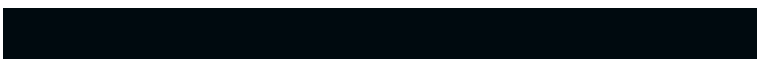
24, 78.441, 301.196



32, 2.754, 236.585



38, 33.243, 260.903



2, 3.680, 239.960

Inverse Universe

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



36, 63.493, 345.826



46, 77.754, 347.630



56, 59.577, 90.312



31, 4.830, 336.266



31, 58.972, 346.889



1, 6.117, 337.155

Previews

White Background



This preview shows how the CIELCh color 44, 34.850, 258.430 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, 34.850, 258.430 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, 34.850, 258.430

Background



This preview shows how black text looks on a background with the CIELCh color 44, 34.850, 258.430.




This preview shows how white text looks on a background with the CIELCh color 44, 34.850, 258.430.

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





Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 34.825, 258.500

Protanomaly
43, 32.487, 270.685

Deuteranomaly
44, 35.105, 270.159

Tritanomaly
44, 27.255, 229.486

Monochromacy



Original Color
44, 34.825, 258.500

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, 34.850, 258.430 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(10, 110, 160)` looks like.

```
.text, #text, p{  
    color:rgb(10, 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(10, 110, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 110, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 34.850, 258.430 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(10, 110, 160) }
```

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

```
.border{ border-color:rgb(10, 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(10, 110, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 110, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 110, 160);  
box-shadow:4px 4px 4px 4px rgb(10, 110,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 34.850, 258.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 110, 160) }
```

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

```
.background{ background-color: rgb(10, 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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