

Converting Colors

CIELCh(44, 30.034, 260.507)

Have a look what the booklet for
CIELCh(44, 30.034, 260.507)
contains.

CIELCh(44, 30.083, 260.534)	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, 30.083, 260.534)

Conversions

Conversions Part 1

Format	Color
Hex	306D99
RGB	48, 109, 153
RGB Percent	19%, 43%, 60%
CMY	0.8122, 0.5729, 0.4004
CMYK	0.69, 0.29, 0.00, 0.40
HSL	205°, 52%, 39%
HSV	205°, 69%, 60%
XYZ	12.4123, 13.8382, 32.1082
YIQ	95.7770, -50.4800, 0.7520

Conversions

Conversions Part 2

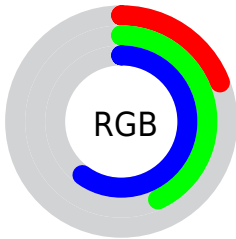
Format	Color
R_{YB}	48, 87, 153
Decimal	3173785
CIE _{Lab}	44.00, -4.95, -29.67
CIE _{LCh}	44, 30.083, 260.534
Yxy	13.8382, 0.2127, 0.2371
Android (android.graphics.Color)	4281363865 (0xFF306D99)
YUV	95.7770, 28.2109, -41.9004
Hunter-Lab	37.1997, -5.5401, -25.1352

Details

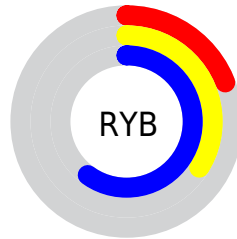
The CIELCh color **44, 30.083, 260.534** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **45, 41.005, 59.304**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 30.384, 261.239**, and **25, 28.377, 268.130** is the 20% darker color. If you saturate the color by 10%, you get **42, 33.707, 264.429**, and if you desaturate by 10%, it is **47, 26.283, 257.194**.

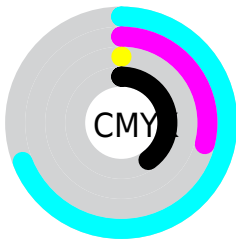
Distribution



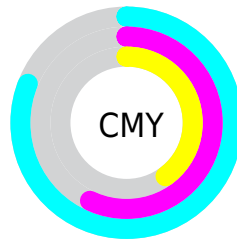
- Red (19%)
- Green (43%)
- Blue (60%)



- Red (19%)
- Yellow (34%)
- Blue (60%)



- Cyan (69%)
- Magenta (29%)
- Yellow (0%)
- Black (40%)





- Cyan (81%)
- Magenta (57%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 30.083, 260.534 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, 30.083, 260.534 by changing the saturation by 10% instead.


 44, 30.083,
260.534


 44, 30.083,
260.534


 100, 30.083,
260.534


 34, 30.083,
260.534

 64, 30.083,
260.534


 24, 30.083,
260.534

 74, 30.083,
260.534

 14, 30.083,
260.534


 84, 30.083,
260.534

 4, 30.083, 260.534

 94, 30.083,
260.534

 0, 30.083, 260.534

 44, 30.083,

 44, 30.083,

260.534

■ 42, 33.707,
264.429

■ 39, 37.232,
268.840

■ 37, 40.793,
273.506

■ 37, 41.280,
274.083

260.534

■ 47, 26.283,
257.194

■ 49, 22.270,
254.383

■ 52, 18.038,
252.043

■ 55, 13.602,
250.108

■ 58, 8.988, 248.513

■ 61, 4.230, 247.223

■ 64, 0.641, 65.477

■ 67, 5.597, 65.031

■ 70, 10.610, 64.273

Harmonies

Complementary

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



44, 30.083, 260.534



45, 41.005, 59.304

Rectangle

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



44, 30.083, 260.534



44, 30.083, 310.534



44, 30.083, 80.534



44, 30.083, 130.534

Sweetspot

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



44, 30.082, 260.535



73, 12.471, 248.918



56, 50.118, 151.731



37, 8.389, 249.309



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



44, 30.082, 260.535



53, 43.077, 266.550



29, 61.114, 298.365



31, 2.753, 247.284



34, 38.515, 273.670



2, 3.020, 247.331

Inverse Universe

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



38, 50.810, 346.763



46, 68.981, 349.672



59, 50.814, 99.708



30, 4.424, 340.177



30, 55.777, 353.740



1, 4.706, 339.994

Previews

White Background



This preview shows how the CIE LCh color 44, 30.083, 260.534 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, 30.083, 260.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

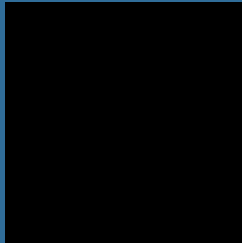
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 30.083, 260.534

Background



This preview shows how black text looks on a background with the CIELCh color 44, 30.083, 260.534.

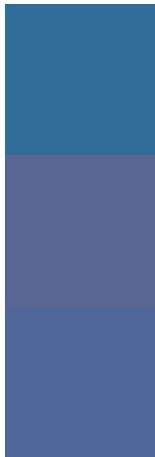


This preview shows how white text looks on a background with the CIELCh color 44, 30.083, 260.534.

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, 30.083, 260.534

Protanopia

44, 27.149, 284.846

Deuteranopia

44, 30.977, 281.662



Tritanopia
44, 24.449, 211.292

Trichromacy



Original Color
44, 30.083, 260.534

Protanomaly
44, 27.567, 273.424

Deuteranomaly
44, 30.643, 273.867

Tritanomaly
44, 24.556, 232.061

Monochromacy



Original Color
44, 30.083, 260.534

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 12.331, 250.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 30.083, 260.534 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(48, 109, 153)` looks like.

```
.text, #text, p{  
    color:rgb(48, 109, 153)  
}
```

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(48, 109, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 109, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 30.083, 260.534 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(48, 109, 153) }
```

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

```
.border{ border-color:rgb(48, 109, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 109, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 109, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 109, 153);  
box-shadow:4px 4px 4px 4px rgb(48, 109,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 30.083, 260.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 109, 153) }
```

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

```
.background{ background-color: rgb(48, 109,  
153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor