

Converting Colors

CIELCh(26, 30.736, 304.111)

Have a look what the booklet for
CIELCh(26, 30.736, 304.111)
contains.

CIELCh(26, 30.523, 304.422)	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(26, 30.523, 304.422)

Conversions

Conversions Part 1

Format	Color
Hex	433664
RGB	67, 54, 100
RGB Percent	26%, 21%, 39%
CMY	0.7374, 0.7884, 0.6080
CMYK	0.33, 0.46, 0.00, 0.61
HSL	257°, 30%, 30%
HSV	257°, 46%, 39%
XYZ	5.9282, 4.7465, 12.6507
YIQ	63.1310, -7.0180, 17.0620

Conversions

Conversions Part 2

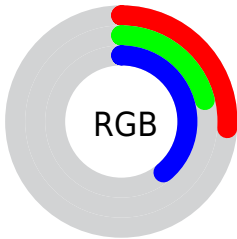
Format	Color
RYB	67, 54, 100
Decimal	4404836
CIELab	26.00, 17.25, -25.18
CIELCh	26, 30.523, 304.422
Yxy	4.7465, 0.2542, 0.2035
Android (android.graphics.Color)	4282594916 (0xFF433664)
YUV	63.1310, 18.1764, 3.3931
Hunter-Lab	21.7865, 10.4442, -19.1772

Details

The CIELCh color **26, 30.523, 304.422** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **40, 27.781, 118.610**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 30.387, 304.694**, and **6, 30.351, 304.304** is the 20% darker color. If you saturate the color by 10%, you get **23, 37.624, 305.327**, and if you desaturate by 10%, it is **30, 23.533, 303.571**.

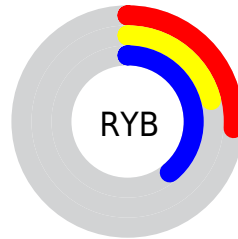
Distribution



Red (26%)

Green (21%)

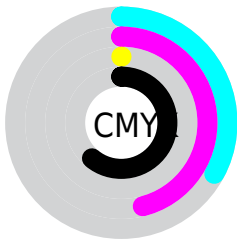
Blue (39%)



Red (26%)

Yellow (21%)

Blue (39%)

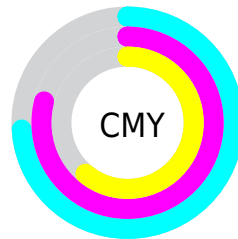


Cyan (33%)

Magenta (46%)

Yellow (0%)

Black (61%)



Cyan (74%)


Magenta (79%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 30.523, 304.422 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 26, 30.523, 304.422 by changing the saturation by 10% instead.

 26, 30.523,
304.422


 26, 30.523,
304.422

 100, 30.523,
304.422


 16, 30.523,
304.422


 46, 30.523,
304.422


 6, 30.523, 304.422

 56, 30.523,
304.422

 0, 30.523, 304.422

 66, 30.523,
304.422

 76, 30.523,
304.422

 86, 30.523,
304.422

 96, 30.523,

304.422

■ 26, 30.523,
304.422

■ 26, 30.523,
304.422

■ 23, 37.624,
305.327

■ 30, 23.533,
303.571

■ 19, 44.697,
306.243

■ 33, 16.725,
302.794

■ 16, 51.478,
307.095

■ 37, 10.125,
302.096

■ 14, 57.533,
307.764

■ 40, 3.741, 301.474

■ 11, 62.758,
308.288

■ 44, 2.430, 120.947

■ 47, 8.396, 120.465

■ 10, 65.067,
308.639

■ 51, 14.167,
120.049

■ 54, 19.754,
119.688

■ 58, 25.168,
119.375

Harmonies

Complementary

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



26, 30.523, 304.422



40, 27.781, 118.610

Rectangle

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



26, 30.523, 304.422



26, 30.523, 354.422



26, 30.523, 124.422



26, 30.523, 174.422

Sweetspot

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



26, 30.522, 304.422



48, 10.960, 301.991



35, 13.902, 231.739



24, 7.646, 302.095



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



26, 30.522, 304.422



30, 45.893, 305.382



29, 32.256, 319.642



19, 3.568, 301.649



13, 71.875, 308.488



33, 125.521, 307.962

Inverse Universe

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



29, 27.913, 336.774



36, 40.643, 337.654



39, 31.544, 135.473



20, 3.470, 334.114



24, 52.188, 342.794



54, 89.518, 343.964

Previews

White Background



This preview shows how the CIE LCh color 26, 30.523, 304.422 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 CIE LCh color 26, 30.523, 304.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

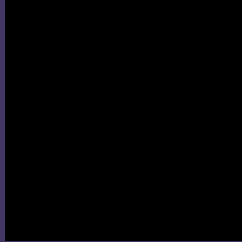
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 30.523, 304.422

Background



This preview shows how black text looks on a background with the CIELCh color 26, 30.523, 304.422.



This preview shows how white text looks on a background with the CIELCh color 26, 30.523, 304.422.

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

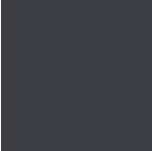
26, 30.523, 304.422

Protanopia

26, 30.250, 285.748

Deuteranopia

26, 24.090, 278.728



Tritanopia
26, 3.369, 275.942

Trichromacy



Original Color
26, 30.523, 304.422

Protanomaly
26, 30.089, 291.701

Deuteranomaly
26, 26.238, 288.777

Tritanomaly
26, 13.264, 299.800

Monochromacy



Original Color
26, 30.523, 304.422

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 10.649, 301.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 30.523, 304.422 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(67, 54, 100)` looks like.

```
.text, #text, p{  
    color:rgb(67, 54, 100)  
}
```

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(67, 54, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 54, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 30.523, 304.422 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(67, 54, 100) }
```

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

```
.border{ border-color:rgb(67, 54, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 54, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 54, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 54, 100);  
box-shadow:4px 4px 4px 4px rgb(67, 54,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 30.523, 304.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 54, 100) }
```

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

```
.background{ background-color: rgb(67, 54,  
100) }
```

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