

Converting Colors

CIELCh(26, 28.616, 290.969)

Have a look what the booklet for
CIELCh(26, 28.616, 290.969)
contains.

CIELCh(26, 28.813, 291.236)	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, 28.813, 291.236)

Conversions

Conversions Part 1

Format	Color
Hex	333A66
RGB	51, 58, 102
RGB Percent	20%, 23%, 40%
CMY	0.7984, 0.7711, 0.5984
CMYK	0.50, 0.43, 0.00, 0.60
HSL	232°, 33%, 30%
HSV	232°, 50%, 40%
XYZ	5.3375, 4.7465, 13.3146
YIQ	60.9230, -18.2960, 12.2000

Conversions

Conversions Part 2

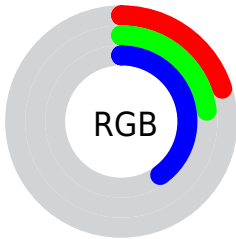
Format	Color
R_{YB}	51, 57, 102
Decimal	3357286
CIE _{Lab}	26.00, 10.44, -26.86
CIE _{LCh}	26, 28.813, 291.236
Yxy	4.7465, 0.2281, 0.2029
Android (android.graphics.Color)	4281547366 (0xFF333A66)
YUV	60.9230, 20.2510, -8.7025
Hunter-Lab	21.7865, 5.6045, -20.9840

Details

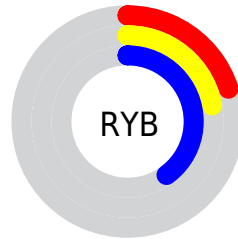
The CIELCh color **26, 28.813, 291.236** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **40, 26.362, 98.777**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 28.554, 291.313**, and **6, 29.106, 291.470** is the 20% darker color. If you saturate the color by 10%, you get **23, 35.222, 293.401**, and if you desaturate by 10%, it is **29, 22.625, 289.330**.

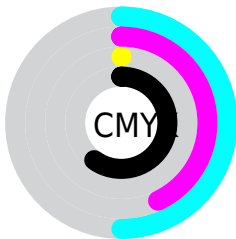
Distribution



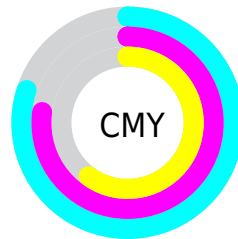
- Red (20%)
- Green (23%)
- Blue (40%)



- Red (20%)
- Yellow (22%)
- Blue (40%)



- Cyan (50%)
- Magenta (43%)
- Yellow (0%)
- Black (60%)



- Cyan (80%)
- Magenta (77%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 26, 28.813, 291.236 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, 28.813, 291.236 by changing the saturation by 10% instead.

■ 26, 28.813,
291.236

■ 26, 28.813,
291.236

■ 100, 28.813,
291.236

■ 16, 28.813,
291.236

■ 46, 28.813,
291.236

■ 6, 28.813, 291.236

■ 56, 28.813,
291.236

■ 0, 28.813, 291.236

■ 66, 28.813,
291.236

■ 76, 28.813,
291.236

■ 86, 28.813,
291.236

■ 96, 28.813,

291.236

■ 26, 28.813,
291.236

■ 26, 28.813,
291.236

■ 23, 35.222,
293.401

■ 29, 22.625,
289.330

■ 19, 41.824,
295.798

■ 33, 16.654,
287.675

■ 16, 48.505,
298.342

■ 36, 10.886,
286.248

■ 14, 54.990,
300.869

■ 40, 5.306, 285.024

■ 11, 60.869,
302.944

■ 43, 0.102, 103.201

■ 47, 5.348, 103.012

■ 11, 60.979,
302.978

■ 50, 10.442,
102.219

■ 54, 15.393,
101.521

■ 57, 20.208,
100.908

Harmonies

Complementary

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



26, 28.813, 291.236



40, 26.362, 98.777

Rectangle

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



26, 28.813, 291.236



26, 28.813, 341.236



26, 28.813, 111.236



26, 28.813, 161.236

Sweetspot

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



26, 28.813, 291.237



49, 10.128, 285.689



40, 19.240, 182.922



24, 6.870, 285.873



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, 28.813, 291.237



30, 43.840, 293.839



26, 33.996, 306.806



19, 3.026, 284.926



13, 66.793, 303.291



33, 120.886, 304.532

Inverse Universe

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



28, 24.372, 14.330



34, 36.794, 17.003



41, 30.945, 121.195



19, 2.481, 8.863



23, 52.437, 31.346



51, 94.115, 34.664

Previews

White Background



This preview shows how the CIE LCh color 26, 28.813, 291.236 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 CIELCh color 26, 28.813, 291.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

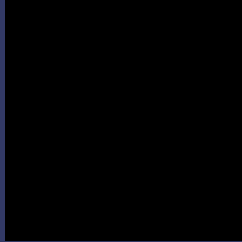
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 28.813, 291.236

Background



This preview shows how black text looks on a background with the CIELCh color 26, 28.813, 291.236.



This preview shows how white text looks on a background with the CIELCh color 26, 28.813, 291.236.

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

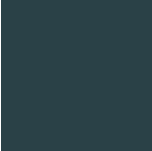
26, 28.813, 291.236

Protanopia

26, 28.964, 285.435

Deuteranopia

26, 26.794, 278.543



Tritanopia
26, 9.649, 222.337

Trichromacy



Original Color
26, 28.813, 291.236

Protanomaly
26, 28.895, 287.684

Deuteranomaly
26, 27.113, 282.885

Tritanomaly
26, 13.805, 264.064

Monochromacy



Original Color
26, 28.813, 291.236

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 10.520, 287.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 28.813, 291.236 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(51, 58, 102)` looks like.

```
.text, #text, p{  
    color:rgb(51, 58, 102)  
}
```

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(51, 58, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 58, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 28.813, 291.236 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(51, 58, 102) }
```

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

```
.border{ border-color:rgb(51, 58, 102) }
```

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

Here you see how a box with a 4 pixel rgb(51, 58, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 58, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 58, 102);  
box-shadow:4px 4px 4px 4px rgb(51, 58,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 28.813, 291.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 58, 102) }
```

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

```
.background{ background-color: rgb(51, 58,  
102) }
```

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