

Converting Colors

CIELCh(40, 26.417, 267.346)

Have a look what the booklet for
CIELCh(40, 26.417, 267.346)
contains.

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Color

CIELCh(40, 26.396, 267.330)

Conversions

Conversions Part 1

Format	Color
Hex	3A6189
RGB	58, 97, 137
RGB Percent	23%, 38%, 54%
CMY	0.7726, 0.6197, 0.4628
CMYK	0.58, 0.29, 0.00, 0.46
HSL	210°, 41%, 38%
HSV	210°, 58%, 54%
XYZ	10.5311, 11.2510, 25.2771
YIQ	89.8990, -36.0840, 4.1720

Conversions

Conversions Part 2

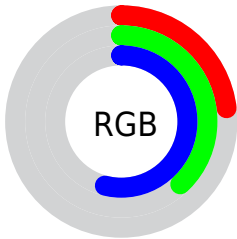
Format	Color
RYB	58, 84, 137
Decimal	3826057
CIELab	40.00, -1.23, -26.37
CIElCh	40, 26.396, 267.330
Yxy	11.2510, 0.2238, 0.2391
Android (android.graphics.Color)	4282016137 (0xFF3A6189)
YUV	89.8990, 23.2208, -27.9754
Hunter-Lab	33.5425, -2.6568, -21.2004

Details

The CIELCh color **40, 26.396, 267.330** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **45, 30.835, 69.022**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 26.788, 267.996**, and **20, 26.034, 269.988** is the 20% darker color. If you saturate the color by 10%, you get **37, 30.743, 270.562**, and if you desaturate by 10%, it is **43, 21.986, 264.552**.

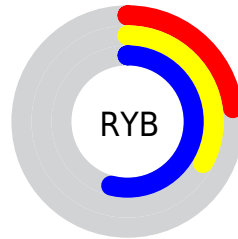
Distribution



Red (23%)

Green (38%)

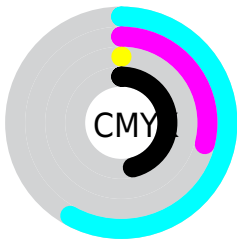
Blue (54%)



Red (23%)

Yellow (33%)

Blue (54%)

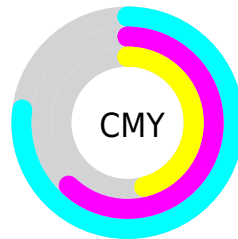


Cyan (58%)

Magenta (29%)

Yellow (0%)

Black (46%)



Cyan (77%)


Magenta (62%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 26.396, 267.330 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 40, 26.396, 267.330 by changing the saturation by 10% instead.


 40, 26.396,
267.330


 40, 26.396,
267.330


 100, 26.396,
267.330


 30, 26.396,
267.330

 60, 26.396,
267.330


 20, 26.396,
267.330

 70, 26.396,
267.330

 10, 26.396,
267.330

 80, 26.396,
267.330

 0, 26.396, 267.330

 90, 26.396,
267.330

 40, 26.396,

 40, 26.396,

267.330

267.330

■ 37, 30.743,
270.562

■ 43, 21.986,
264.552

■ 35, 35.066,
274.249

■ 46, 17.500,
262.192

■ 32, 39.423,
278.336

■ 49, 12.936,
260.197

■ 30, 43.896,
282.577

■ 52, 8.305, 258.518

■ 29, 44.972,
283.490

■ 55, 3.622, 257.127

■ 58, 1.096, 75.580

■ 61, 5.832, 74.737

■ 64, 10.573, 73.856

■ 67, 15.306, 73.080

Harmonies

Complementary

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



40, 26.396, 267.330



45, 30.835, 69.022

Rectangle

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



40, 26.396, 267.330



40, 26.396, 317.330



40, 26.396, 87.330



40, 26.396, 137.330

Sweetspot

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



40, 26.395, 267.330



66, 9.919, 258.473



51, 36.778, 157.535



34, 6.603, 258.733



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



40, 26.395, 267.330



48, 38.834, 271.568



29, 50.511, 298.695



27, 2.674, 257.314



28, 43.791, 283.337



1, 1.246, 256.108

Inverse Universe

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



36, 38.748, 350.344



44, 55.269, 352.756



56, 42.969, 104.961



27, 3.816, 344.685



28, 52.216, 1.302



0, 1.752, 343.988

Previews

White Background



This preview shows how the CIE LCh color 40, 26.396, 267.330 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 40, 26.396, 267.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

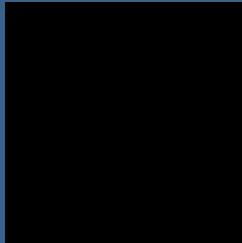
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 26.396, 267.330

Background



This preview shows how black text looks on a background with the CIELCh color 40, 26.396, 267.330.

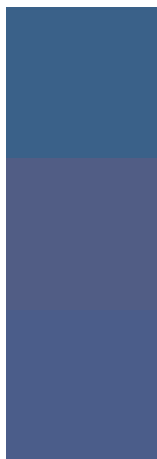


This preview shows how white text looks on a background with the CIELCh color 40, 26.396, 267.330.

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


40, 26.396, 267.330

Protanopia

40, 24.556, 284.310

Deuteranopia

40, 27.777, 282.225



Tritanopia
40, 18.540, 212.792

Trichromacy



Original Color
40, 26.396, 267.330

Protanomaly
40, 25.015, 277.929

Deuteranomaly
40, 27.560, 277.620

Tritanomaly
40, 19.275, 237.615

Monochromacy



Original Color
40, 26.396, 267.330

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 10.127, 257.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 26.396, 267.330 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(58, 97, 137)` looks like.

```
.text, #text, p{  
    color:rgb(58, 97, 137)  
}
```

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(58, 97, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 97, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 26.396, 267.330 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(58, 97, 137) }
```

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

```
.border{ border-color:rgb(58, 97, 137) }
```

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

Here you see how a box with a 4 pixel rgb(58, 97, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 97, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 97, 137);  
box-shadow:4px 4px 4px 4px rgb(58, 97,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 26.396, 267.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 97, 137) }
```

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

```
.background{ background-color: rgb(58, 97,  
137) }
```

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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