

Converting Colors

CIELCh(40, 24.709, 271.056)

Have a look what the booklet for
CIELCh(40, 24.709, 271.056)
contains.

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Color

CIELCh(40, 24.546, 270.780)

Conversions

Conversions Part 1

Format	Color
Hex	426086
RGB	66, 96, 134
RGB Percent	26%, 38%, 53%
CMY	0.7411, 0.6234, 0.4744
CMYK	0.51, 0.28, 0.00, 0.47
HSL	214°, 34%, 39%
HSV	214°, 51%, 53%
XYZ	10.7382, 11.2510, 24.1687
YIQ	91.3620, -30.0780, 5.4580

Conversions

Conversions Part 2

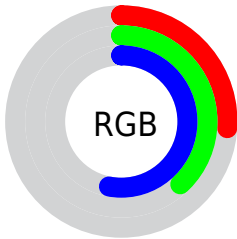
Format	Color
R_{YB}	66, 87, 134
Decimal	4350086
CIE _{Lab}	40.00, 0.33, -24.54
CIE _{LCh}	40, 24.546, 270.780
Yxy	11.2510, 0.2326, 0.2437
Android (android.graphics.Color)	4282540166 (0xFF426086)
YUV	91.3620, 21.0205, -22.2425
Hunter-Lab	33.5425, -1.5549, -19.2411

Details

The CIELCh color **40, 24.546, 270.780** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 26.817, 75.022**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 24.498, 271.046**, and **20, 24.512, 270.923** is the 20% darker color. If you saturate the color by 10%, you get **37, 29.354, 273.634**, and if you desaturate by 10%, it is **43, 19.732, 268.326**.

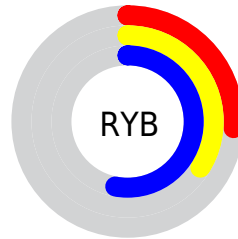
Distribution



Red (26%)

Green (38%)

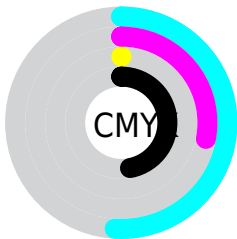
Blue (53%)



Red (26%)

Yellow (34%)

Blue (53%)

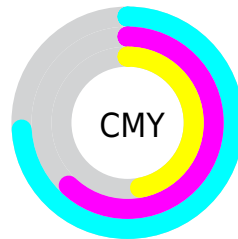


Cyan (51%)

Magenta (28%)

Yellow (0%)

Black (47%)



Cyan (74%)


Magenta (62%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 24.546, 270.780 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, 24.546, 270.780 by changing the saturation by 10% instead.


 40, 24.546,
270.780


 40, 24.546,
270.780


 100, 24.546,
270.780


 30, 24.546,
270.780

 60, 24.546,
270.780


 20, 24.546,
270.780

 70, 24.546,
270.780

 10, 24.546,
270.780

 80, 24.546,
270.780

 0, 24.546, 270.780

 90, 24.546,
270.780

 40, 24.546,

 40, 24.546,

270.780

270.780

■ 37, 29.354,
273.634

■ 43, 19.732,
268.326

■ 34, 34.185,
276.905

■ 46, 14.905,
266.233

■ 31, 39.079,
280.568

■ 49, 10.062,
264.453

■ 29, 44.081,
284.533

■ 53, 5.211, 262.950

■ 26, 48.865,
288.119

■ 56, 0.362, 262.260

■ 59, 4.476, 80.419

■ 62, 9.292, 79.471

■ 65, 14.077, 78.629

■ 68, 18.824, 77.886

Harmonies

Complementary

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



40, 24.546, 270.780



46, 26.817, 75.022

Rectangle

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



40, 24.546, 270.780



40, 24.546, 320.780



40, 24.546, 90.780



40, 24.546, 140.780

Sweetspot

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



40, 24.545, 270.780



65, 8.986, 263.608



51, 30.882, 161.201



33, 6.104, 263.879



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



40, 24.545, 270.780



47, 36.384, 274.131



32, 43.049, 298.546



26, 2.714, 262.733



25, 47.668, 287.985



0, 0.650, 261.518

Inverse Universe

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



38, 33.049, 352.605



45, 48.042, 354.686



54, 37.658, 107.879



26, 3.573, 347.667



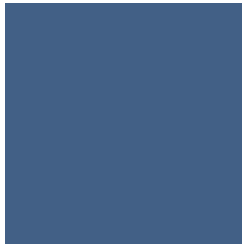
27, 51.229, 6.106



0, 0.845, 346.946

Previews

White Background



This preview shows how the CIE LCh color 40, 24.546, 270.780 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, 24.546, 270.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

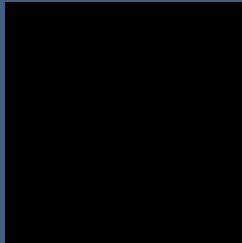
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 24.546, 270.780

Background



This preview shows how black text looks on a background with the CIELCh color 40, 24.546, 270.780.

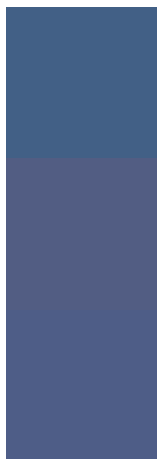


This preview shows how white text looks on a background with the CIELCh color 40, 24.546, 270.780.

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, 24.546, 270.780

Protanopia

40, 23.328, 284.347

Deuteranopia

40, 25.872, 282.943



Tritanopia
40, 15.575, 216.142

Trichromacy



Original Color
40, 24.546, 270.780

Protanomaly
40, 23.667, 278.945

Deuteranomaly
40, 25.524, 279.107

Tritanomaly
40, 16.844, 242.116

Monochromacy



Original Color
40, 24.546, 270.780

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 9.435, 264.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 24.546, 270.780 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(66, 96, 134)` looks like.

```
.text, #text, p{  
    color:rgb(66, 96, 134)  
}
```

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(66, 96, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 96, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 24.546, 270.780 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(66, 96, 134) }
```

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

```
.border{ border-color:rgb(66, 96, 134) }
```

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

Here you see how a box with a 4 pixel rgb(66, 96, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 96, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 96, 134);  
box-shadow:4px 4px 4px 4px rgb(66, 96,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 24.546, 270.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 96, 134) }
```

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

```
.background{ background-color: rgb(66, 96,  
134) }
```

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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