

Converting Colors

CIELCh(40, 19.168, 272.883)

Have a look what the booklet for
CIELCh(40, 19.168, 272.883)
contains.

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Color

CIELCh(40, 19.160, 272.869)

Conversions

Conversions Part 1

Format	Color
Hex	4C5F7D
RGB	76, 95, 125
RGB Percent	30%, 37%, 49%
CMY	0.7012, 0.6267, 0.5090
CMYK	0.39, 0.24, 0.00, 0.51
HSL	217°, 24%, 39%
HSV	217°, 39%, 49%
XYZ	10.8217, 11.2510, 21.0733
YIQ	92.7390, -20.9540, 5.3020

Conversions

Conversions Part 2

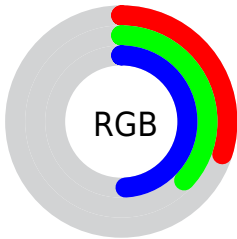
Format	Color
R_{YB}	76, 90, 125
Decimal	5005181
CIE _{Lab}	40.00, 0.96, -19.14
CIE _{LCh}	40, 19.160, 272.869
Yxy	11.2510, 0.2508, 0.2608
Android (android.graphics.Color)	4283195261 (0xFF4C5F7D)
YUV	92.7390, 15.9047, -14.6801
Hunter-Lab	33.5425, -1.1106, -13.7696

Details

The CIELCh color **40, 19.160, 272.869** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 19.857, 81.578**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 19.418, 273.885**, and **20, 19.223, 273.429** is the 20% darker color. If you saturate the color by 10%, you get **37, 24.149, 275.183**, and if you desaturate by 10%, it is **43, 14.211, 270.881**.

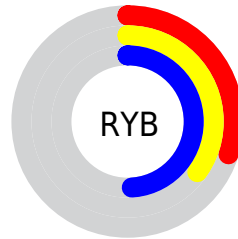
Distribution



Red (30%)

Green (37%)

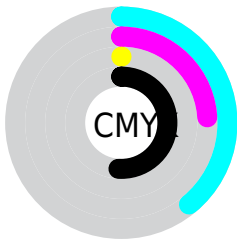
Blue (49%)



Red (30%)

Yellow (35%)

Blue (49%)

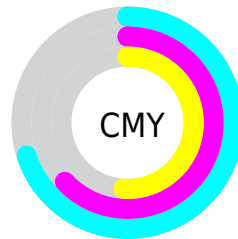


Cyan (39%)

Magenta (24%)

Yellow (0%)

Black (51%)



Cyan (70%)


Magenta (63%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 19.160, 272.869 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, 19.160, 272.869 by changing the saturation by 10% instead.


 40, 19.160,
272.869


 40, 19.160,
272.869


 100, 19.160,
272.869


 30, 19.160,
272.869

 60, 19.160,
272.869


 20, 19.160,
272.869


 70, 19.160,
272.869


 10, 19.160,
272.869

 80, 19.160,
272.869

 0, 19.160, 272.869

 90, 19.160,
272.869

 40, 19.160,

 40, 19.160,

272.869

272.869

■ 37, 24.149,
275.183

■ 43, 14.211,
270.881

■ 34, 29.194,
277.861

■ 46, 9.299, 269.182

■ 31, 34.318,
280.916

■ 50, 4.425, 267.740

■ 53, 0.409, 85.945

■ 28, 39.551,
284.323

■ 56, 5.197, 85.298

■ 25, 44.915,
287.998

■ 59, 9.934, 84.362

■ 62, 14.617, 83.531

■ 23, 50.423,
291.602

■ 66, 19.241, 82.794

■ 22, 50.905,
291.883

■ 69, 23.804, 82.139

Harmonies

Complementary

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



40, 19.160, 272.869



46, 19.857, 81.578

Rectangle

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



40, 19.160, 272.869



40, 19.160, 322.869



40, 19.160, 92.869



40, 19.160, 142.869

Sweetspot

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



40, 19.159, 272.868



62, 7.224, 268.167



49, 22.078, 165.603



32, 4.769, 268.307



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



40, 19.159, 272.868



49, 28.676, 274.933



35, 30.708, 298.152



25, 2.770, 267.737



23, 51.674, 291.960



0, 0.000, 0.000

Inverse Universe

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



39, 23.637, 354.350



47, 35.233, 355.714



51, 27.969, 111.060



25, 3.345, 350.920



26, 50.677, 11.045



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 19.160, 272.869 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 CIELCh color 40, 19.160, 272.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

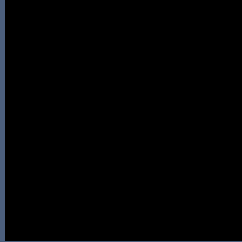
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

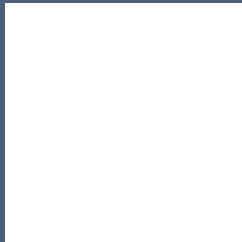
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 19.160, 272.869

Background



This preview shows how black text looks on a background with the CIELCh color 40, 19.160, 272.869.

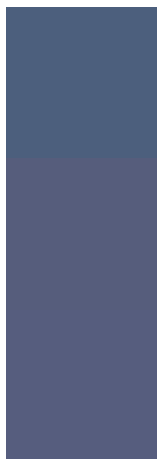


This preview shows how white text looks on a background with the CIELCh color 40, 19.160, 272.869.

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, 19.160, 272.869

Protanopia

40, 18.993, 285.417

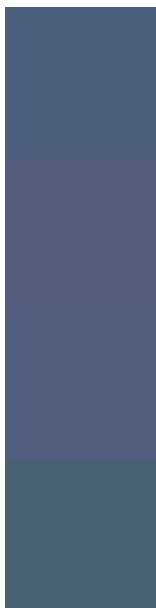
Deuteranopia

40, 20.192, 286.110



Tritanopia
40, 11.307, 223.998

Trichromacy



Original Color
40, 19.160, 272.869

Protanomaly
40, 18.623, 279.720

Deuteranomaly
40, 19.795, 280.809

Tritanomaly
40, 13.006, 247.549

Monochromacy



Original Color
40, 19.160, 272.869

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 7.192, 268.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 19.160, 272.869 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(76, 95, 125)` looks like.

```
.text, #text, p{  
    color:rgb(76, 95, 125)  
}
```

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(76, 95, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 95, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 19.160, 272.869 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(76, 95, 125) }
```

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

```
.border{ border-color:rgb(76, 95, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 95, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 95, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 95, 125);  
box-shadow:4px 4px 4px 4px rgb(76, 95,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 19.160, 272.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 95, 125) }
```

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

```
.background{ background-color: rgb(76, 95,  
125) }
```

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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