

Converting Colors

CIELCh(40, 19.629, 236.723)

Have a look what the booklet for
CIELCh(40, 19.629, 236.723)
contains.

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Color

CIELCh(40, 19.645, 236.619)

Conversions

Conversions Part 1

Format	Color
Hex	316579
RGB	49, 101, 121
RGB Percent	19%, 40%, 47%
CMY	0.8059, 0.6057, 0.5274
CMYK	0.59, 0.17, 0.00, 0.53
HSL	197°, 42%, 33%
HSV	197°, 59%, 47%
XYZ	9.3205, 11.2510, 19.6154
YIQ	87.7320, -37.4120, -4.8040

Conversions

Conversions Part 2

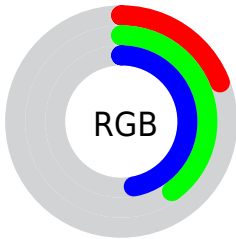
Format	Color
RYB	49, 79, 121
Decimal	3237241
CIELab	40.00, -10.81, -16.40
CIELCh	40, 19.645, 236.619
Yxy	11.2510, 0.2319, 0.2800
Android (android.graphics.Color)	4281427321 (0xFF316579)
YUV	87.7320, 16.4011, -33.9680
Hunter-Lab	33.5425, -9.0992, -11.1926

Details

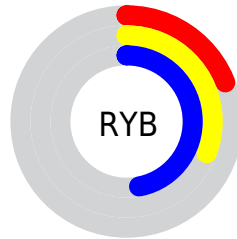
The CIELCh color **40, 19.645, 236.619** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 29.110, 47.231**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 19.695, 235.558**, and **20, 17.941, 241.002** is the 20% darker color. If you saturate the color by 10%, you get **38, 21.911, 239.160**, and if you desaturate by 10%, it is **42, 17.013, 234.574**.

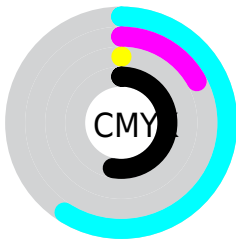
Distribution



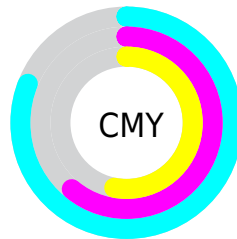
- Red (19%)
- Green (40%)
- Blue (47%)



- Red (19%)
- Yellow (31%)
- Blue (47%)



- Cyan (59%)
- Magenta (17%)
- Yellow (0%)
- Black (53%)





- Cyan (81%)
- Magenta (61%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 19.645, 236.619 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, 19.645, 236.619 by changing the saturation by 10% instead.


 40, 19.645,
236.619


 40, 19.645,
236.619


 100, 19.645,
236.619


 30, 19.645,
236.619

 60, 19.645,
236.619


 20, 19.645,
236.619

 70, 19.645,
236.619


 10, 19.645,
236.619

 80, 19.645,
236.619

 0, 19.645, 236.619

 90, 19.645,
236.619

 40, 19.645,

 40, 19.645,

236.619

236.619

■ 38, 21.911,
239.160

■ 42, 17.013,
234.574

■ 37, 23.815,
242.277

■ 43, 14.041,
232.947

■ 36, 25.390,
246.022

■ 45, 10.767,
231.663

■ 34, 26.811,
250.128

■ 47, 7.235, 230.661

■ 34, 26.970,
250.544

■ 49, 3.492, 229.915

■ 51, 0.420, 48.344

■ 53, 4.465, 48.622

■ 55, 8.609, 48.282

■ 57, 12.827, 48.004

Harmonies

Complementary

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



40, 19.645, 236.619



35, 29.110, 47.231

Rectangle

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



40, 19.645, 236.619



40, 19.645, 286.619



40, 19.645, 56.619



40, 19.645, 106.619

Sweetspot

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



40, 19.644, 236.618



60, 8.485, 230.617



45, 41.039, 147.478



31, 5.907, 230.834



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



40, 19.644, 236.618



49, 27.281, 240.264



29, 35.015, 288.502



25, 2.228, 229.923



36, 27.715, 250.745



70, 47.624, 253.606

Inverse Universe

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



32, 40.573, 337.913



39, 57.121, 339.271



44, 32.655, 91.338



24, 4.049, 334.087



27, 55.423, 342.881



56, 92.395, 343.920

Previews

White Background



This preview shows how the CIELCh color 40, 19.645, 236.619 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, 19.645, 236.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

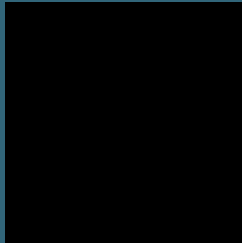
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

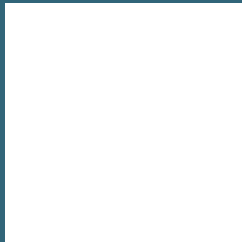
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 19.645, 236.619

Background



This preview shows how black text looks on a background with the CIELCh color 40, 19.645, 236.619.



This preview shows how white text looks on a background with the CIELCh color 40, 19.645, 236.619.

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, 19.823, 236.192

Protanopia

40, 13.473, 285.778

Deuteranopia

40, 18.338, 288.384



Tritanopia
40, 19.023, 214.304

Trichromacy



Original Color
40, 19.823, 236.192

Protanomaly
40, 14.579, 260.997

Deuteranomaly
40, 17.192, 267.258

Tritanomaly
40, 18.753, 222.844

Monochromacy



Original Color
40, 19.823, 236.192

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 8.386, 229.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 19.645, 236.619 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(49, 101, 121)` looks like.

```
.text, #text, p{  
    color:rgb(49, 101, 121)  
}
```

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(49, 101, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 101, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 19.645, 236.619 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(49, 101, 121) }
```

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

```
.border{ border-color:rgb(49, 101, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 101, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 101, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 101, 121);  
box-shadow:4px 4px 4px 4px rgb(49, 101,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 19.645, 236.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 101, 121) }
```

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

```
.background{ background-color: rgb(49, 101,  
121) }
```

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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