

Converting Colors

CIELCh(41, 19.775, 162.798)

Have a look what the booklet for
CIELCh(41, 19.775, 162.798)
contains.

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Color

CIELCh(41, 19.693, 163.410)

Conversions

Conversions Part 1

Format	Color
Hex	406957
RGB	64, 105, 87
RGB Percent	25%, 41%, 34%
CMY	0.7493, 0.5885, 0.6591
CMYK	0.39, 0.00, 0.17, 0.59
HSL	154°, 24%, 33%
HSV	154°, 39%, 41%
XYZ	8.8726, 11.8645, 10.8255
YIQ	90.6890, -18.6580, -14.2900

Conversions

Conversions Part 2

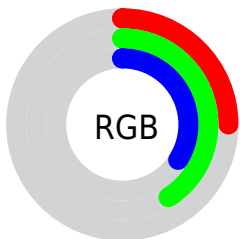
Format	Color
RYB	64, 90, 105
Decimal	4221271
CIELab	41.00, -18.87, 5.62
CIElCh	41, 19.693, 163.410
Yxy	11.8645, 0.2811, 0.3759
Android (android.graphics.Color)	4282411351 (0xFF406957)
YUV	90.6890, -1.8187, -23.4063
Hunter-Lab	34.4449, -14.2991, 5.4775

Details

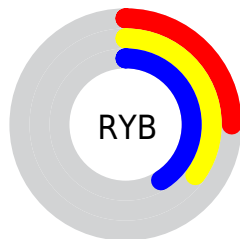
The CIELCh color **41, 19.693, 163.410** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 20.919, 350.921**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 19.203, 163.841**, and **21, 19.330, 164.366** is the 20% darker color. If you saturate the color by 10%, you get **40, 24.343, 162.207**, and if you desaturate by 10%, it is **42, 14.815, 164.490**.

Distribution



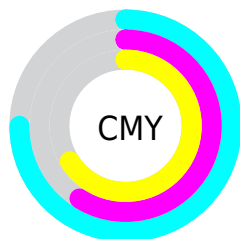
- Red (25%)
- Green (41%)
- Blue (34%)



- Red (25%)
- Yellow (35%)
- Blue (41%)



- Cyan (39%)
- Magenta (0%)
- Yellow (17%)
- Black (59%)





- Cyan (75%)
- Magenta (59%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 19.693, 163.410 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 41, 19.693, 163.410 by changing the saturation by 10% instead.


 41, 19.693,
163.410


 41, 19.693,
163.410


 100, 19.693,
163.410


 31, 19.693,
163.410

 61, 19.693,
163.410


 21, 19.693,
163.410

 71, 19.693,
163.410


 11, 19.693,
163.410


 81, 19.693,
163.410

 1, 19.693, 163.410

 91, 19.693,
163.410

 0, 19.693, 163.410

 41, 19.693,

 41, 19.693,

163.410

■ 40, 24.343,
162.207

■ 40, 28.687,
160.864

■ 39, 32.654,
159.358

■ 39, 36.191,
157.672

■ 39, 39.271,
155.796

■ 39, 42.073,
153.910

■ 39, 42.334,
153.748

163.410

■ 42, 14.815,
164.490

■ 43, 9.782, 165.473

■ 43, 4.664, 166.390

■ 44, 0.481, 346.590

■ 46, 5.606, 347.850

■ 47, 10.674,
348.572

■ 48, 15.656,
349.235

■ 49, 20.534,
349.854

■ 51, 25.295,
350.439

Harmonies

Complementary

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



41, 19.693, 163.410



32, 20.919, 350.921

Rectangle

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



41, 19.693, 163.410



41, 19.693, 213.410



41, 19.693, 343.410



41, 19.693, 33.410

Sweetspot

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



41, 19.694, 163.409



55, 7.592, 166.095



42, 26.271, 129.098



28, 5.074, 166.017



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



41, 19.694, 163.409



52, 28.742, 162.308



41, 14.241, 202.797



22, 2.938, 166.398



43, 46.093, 153.433



86, 81.558, 151.986

Inverse Universe

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



32, 20.919, 350.921



39, 30.897, 352.172



32, 18.562, 26.424



21, 2.982, 347.759



24, 47.573, 5.755



52, 81.924, 8.839

Previews

White Background



This preview shows how the CIELCh color 41, 19.693, 163.410 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 41, 19.693, 163.410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

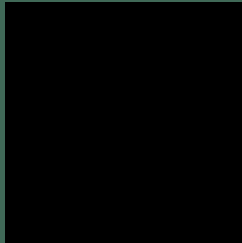
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 19.693, 163.410

Background



This preview shows how black text looks on a background with the CIELCh color 41, 19.693, 163.410.



This preview shows how white text looks on a background with the CIELCh color 41, 19.693, 163.410.

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


41, 19.693, 163.410

Protanopia

41, 8.741, 94.203

Deuteranopia

41, 6.994, 40.315



Tritanopia
41, 12.768, 220.626

Trichromacy



Original Color
41, 19.693, 163.410

Protanomaly
41, 10.257, 136.153

Deuteranomaly
40, 5.872, 130.631

Tritanomaly
41, 13.528, 195.192

Monochromacy



Original Color
41, 19.693, 163.410

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 7.255, 168.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 19.693, 163.410 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(64, 105, 87)` looks like.

```
.text, #text, p{  
    color:rgb(64, 105, 87)  
}
```

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(64, 105, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 105, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 19.693, 163.410 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(64, 105, 87) }
```

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

```
.border{ border-color:rgb(64, 105, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 105, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 105, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 105, 87);  
box-shadow:4px 4px 4px 4px rgb(64, 105,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 19.693, 163.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 105, 87) }
```

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

```
.background{ background-color: rgb(64, 105,  
87) }
```

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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