

Converting Colors

CIELCh(41, 3.160, 19.769)

Have a look what the booklet for
CIELCh(41, 3.160, 19.769) contains.

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Color

CIELCh(41, 2.964, 19.688)

Conversions

Conversions Part 1

Format	Color
Hex	665F5F
RGB	102, 95, 95
RGB Percent	40%, 37%, 37%
CMY	0.5996, 0.6270, 0.6270
CMYK	0.00, 0.07, 0.07, 0.60
HSL	0°, 4%, 39%
HSV	0°, 7%, 40%
XYZ	11.6655, 11.8645, 12.5287
YIQ	97.0930, 4.1720, 1.4840

Conversions

Conversions Part 2

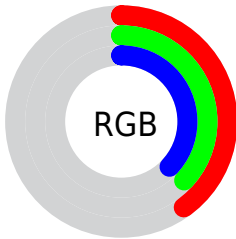
Format	Color
R_{YB}	102, 95, 95
Decimal	6709087
CIE Lab	41.00, 2.79, 1.00
CIE LCh	41, 2.964, 19.688
Yxy	11.8645, 0.3235, 0.3290
Android (android.graphics.Color)	4284899167 (0xFF665F5F)
YUV	97.0930, -1.0318, 4.3034
Hunter-Lab	34.4449, 0.1743, 2.5459

Details

The CIELCh color **41, 2.964, 19.688** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 2.846, 199.195**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 3.133, 19.572**, and **21, 2.850, 19.917** is the 20% darker color. If you saturate the color by 10%, you get **38, 7.559, 20.473**, and if you desaturate by 10%, it is **44, 1.308, 199.534**.

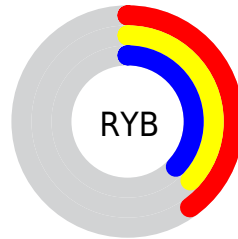
Distribution



Red (40%)

Green (37%)

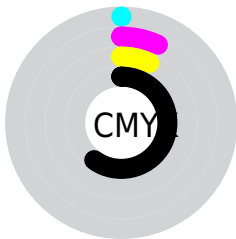
Blue (37%)



Red (40%)

Yellow (37%)

Blue (37%)

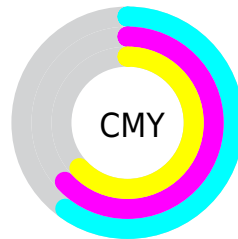


Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (60%)



Cyan (60%)



Magenta (63%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 2.964, 19.688 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, 2.964, 19.688 by changing the saturation by 10% instead.

 41, 2.964, 19.688	 41, 2.964, 19.688
 100, 2.964, 19.688	 31, 2.964, 19.688
 61, 2.964, 19.688	 21, 2.964, 19.688
 71, 2.964, 19.688	 11, 2.964, 19.688
 81, 2.964, 19.688	 1, 2.964, 19.688
 91, 2.964, 19.688	 0, 2.964, 19.688

 41, 2.964, 19.688	 41, 2.964, 19.688
 38, 7.559, 20.473	 44, 1.308, 199.534
 35, 12.491, 21.376	 48, 5.277, 198.901
 32, 17.748, 22.519	 51, 8.971, 198.522

■ 29, 23.288, 23.987

■ 54, 12.420,
198.224

■ 26, 29.030, 25.870

■ 58, 15.650,
197.982

■ 24, 34.842, 28.254

■ 22, 40.545, 31.171

■ 61, 18.687,
197.784

■ 21, 45.659, 34.075

■ 64, 21.556,
197.618

■ 20, 49.386, 35.607

■ 68, 24.276,
197.479

■ 71, 26.865,
197.362

Harmonies

Complementary

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



41, 2.964, 19.688



43, 2.846, 199.195

Rectangle

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



41, 2.964, 19.688



41, 2.964, 69.688



41, 2.964, 199.688



41, 2.964, 249.688

Sweetspot

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



41, 2.963, 19.710



55, 1.053, 19.158



41, 5.164, 324.763



28, 0.594, 19.111



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 2.963, 19.710



52, 4.307, 19.815



42, 2.565, 74.554



19, 2.443, 19.867



22, 55.892, 37.357



51, 100.588, 40.002

Inverse Universe

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



43, 2.846, 199.195



55, 4.104, 199.106



42, 2.532, 256.321



21, 2.318, 199.064



43, 27.786, 196.427



87, 48.186, 196.430

Previews

White Background



This preview shows how the CIELCh color 41, 2.964, 19.688 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 41, 2.964, 19.688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

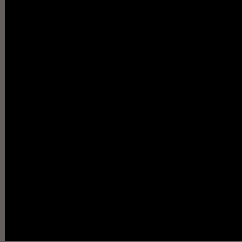
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 2.964, 19.688

Background



This preview shows how black text looks on a background with the CIELCh color 41, 2.964, 19.688.



This preview shows how white text looks on a background with the CIELCh color 41, 2.964, 19.688.

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, 2.964, 19.688

Protanopia

41, 1.259, 19.313

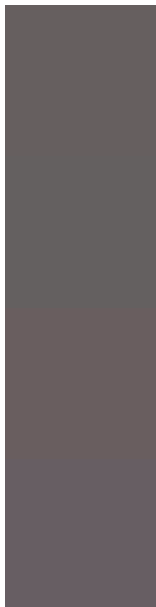
Deuteranopia

41, 5.150, 13.317



Tritanopia
41, 6.148, 328.058

Trichromacy



Original Color

41, 2.964, 19.688

Protanomaly

41, 1.682, 19.433

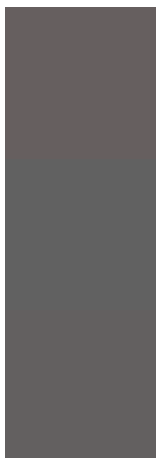
Deuteranomaly

41, 4.721, 12.632

Tritanomaly

41, 4.853, 341.371

Monochromacy



Original Color

41, 2.964, 19.688

Achromatopsia

41, 0.006, 296.813

Achromatomaly

41, 1.259, 19.313

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 41, 2.964, 19.688 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(102, 95, 95)` looks like.

```
.text, #text, p{  
    color:rgb(102, 95, 95)  
}
```

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(102, 95, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 95, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 2.964, 19.688 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(102, 95, 95) }
```

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

```
.border{ border-color:rgb(102, 95, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 95, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 95, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 95, 95);  
box-shadow:4px 4px 4px 4px rgb(102, 95,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 2.964, 19.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 95, 95) }
```

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

```
.background{ background-color: rgb(102, 95,  
95) }
```

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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