

Converting Colors

CIELCh(41, 17.822, 159.570)

Have a look what the booklet for
CIELCh(41, 17.822, 159.570)
contains.

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Color

CIELCh(41, 17.699, 159.289)

Conversions

Conversions Part 1

Format	Color
Hex	466856
RGB	70, 104, 86
RGB Percent	27%, 41%, 34%
CMY	0.7256, 0.5923, 0.6629
CMYK	0.33, 0.00, 0.17, 0.59
HSL	148°, 20%, 34%
HSV	148°, 33%, 41%
XYZ	9.1474, 11.8645, 10.6040
YIQ	91.7820, -14.4860, -12.8060

Conversions

Conversions Part 2

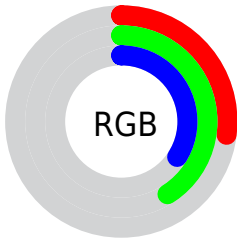
Format	Color
RYB	70, 93, 104
Decimal	4614230
CIELab	41.00, -16.56, 6.26
CIElCh	41, 17.699, 159.289
Yxy	11.8645, 0.2893, 0.3753
Android (android.graphics.Color)	4282804310 (0xFF466856)
YUV	91.7820, -2.8505, -19.1028
Hunter-Lab	34.4449, -12.8749, 5.8589

Details

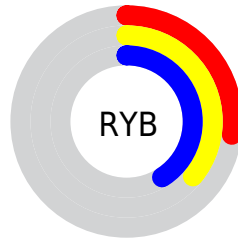
The CIELCh color **41, 17.699, 159.289** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 18.282, 344.872**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 17.499, 160.209**, and **21, 17.868, 159.231** is the 20% darker color. If you saturate the color by 10%, you get **40, 22.893, 158.196**, and if you desaturate by 10%, it is **42, 12.350, 160.264**.

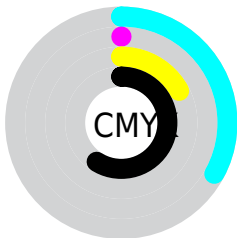
Distribution



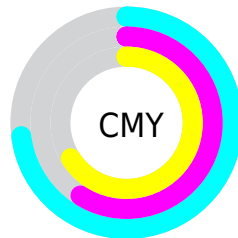
- Red (27%)
- Green (41%)
- Blue (34%)



- Red (27%)
- Yellow (36%)
- Blue (41%)



- Cyan (33%)
- Magenta (0%)
- Yellow (17%)
- Black (59%)



- Cyan (73%)
- Magenta (59%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 17.699, 159.289 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, 17.699, 159.289 by changing the saturation by 10% instead.

 41, 17.699,
159.289


 41, 17.699,
159.289

 100, 17.699,
159.289


 31, 17.699,
159.289

 61, 17.699,
159.289


 21, 17.699,
159.289

 71, 17.699,
159.289


 11, 17.699,
159.289


 81, 17.699,
159.289

 1, 17.699, 159.289

 91, 17.699,
159.289

 0, 17.699, 159.289

 41, 17.699,

 41, 17.699,

159.289

■ 40, 22.893,
158.196

■ 40, 27.847,
156.968

■ 39, 32.480,
155.582

■ 39, 36.719,
154.020

■ 38, 40.506,
152.272

■ 38, 43.829,
150.354

■ 38, 46.142,
149.050

159.289

■ 42, 12.350,
160.264

■ 43, 6.918, 161.150

■ 44, 1.467, 162.067

■ 45, 3.952, 342.552

■ 46, 9.299, 343.241

■ 47, 14.545,
343.854

■ 48, 19.670,
344.417

■ 50, 24.661,
344.941

■ 51, 29.511,
345.431

Harmonies

Complementary

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



41, 17.699, 159.289



34, 18.282, 344.872

Rectangle

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



41, 17.699, 159.289



41, 17.699, 209.289



41, 17.699, 339.289



41, 17.699, 29.289

Sweetspot

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



41, 17.700, 159.288



55, 6.752, 161.356



42, 21.421, 126.434



28, 4.643, 161.268



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, 17.700, 159.288



52, 26.009, 158.493



41, 12.879, 194.793



21, 3.007, 161.473



42, 49.776, 148.768



84, 89.021, 147.296

Inverse Universe

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



34, 18.282, 344.872



42, 27.024, 345.652



34, 15.687, 19.463



20, 3.038, 342.727



24, 47.547, 357.444



52, 81.855, 359.982

Previews

White Background



This preview shows how the CIELCh color 41, 17.699, 159.289 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, 17.699, 159.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

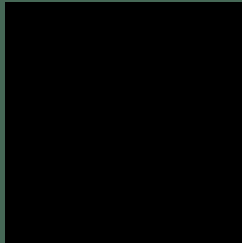
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 17.699, 159.289

Background



This preview shows how black text looks on a background with the CIELCh color 41, 17.699, 159.289.



This preview shows how white text looks on a background with the CIELCh color 41, 17.699, 159.289.

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, 17.699, 159.289

Protanopia

41, 8.741, 94.203

Deuteranopia

41, 7.664, 43.329



Tritanopia
41, 10.690, 225.565

Trichromacy



Original Color
41, 17.699, 159.289

Protanomaly
41, 10.436, 130.572

Deuteranomaly
41, 6.113, 117.347

Tritanomaly
41, 11.187, 194.927

Monochromacy



Original Color
41, 17.699, 159.289

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 6.238, 162.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 17.699, 159.289 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(70, 104, 86)` looks like.

```
.text, #text, p{  
    color:rgb(70, 104, 86)  
}
```

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(70, 104, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 104, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 17.699, 159.289 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(70, 104, 86) }
```

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

```
.border{ border-color:rgb(70, 104, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 104, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 104, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 104, 86);  
box-shadow:4px 4px 4px 4px rgb(70, 104,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 17.699, 159.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 104, 86) }
```

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

```
.background{ background-color: rgb(70, 104,  
86) }
```

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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