

Converting Colors

CIELCh(41, 16.917, 107.570)

Have a look what the booklet for
CIELCh(41, 16.917, 107.570)
contains.

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Color

CIELCh(41, 16.780, 107.602)

Conversions

Conversions Part 1

Format	Color
Hex	626246
RGB	98, 98, 70
RGB Percent	38%, 38%, 27%
CMY	0.6143, 0.6143, 0.7242
CMYK	0.00, 0.00, 0.28, 0.61
HSL	60°, 17%, 33%
HSV	60°, 28%, 39%
XYZ	10.5925, 11.8645, 7.5819
YIQ	94.8080, 8.9880, -8.7080

Conversions

Conversions Part 2

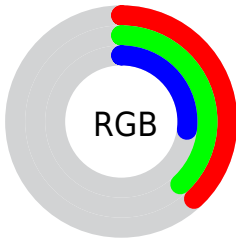
Format	Color
R_{YB}	70, 98, 70
Decimal	6447686
CIE _{Lab}	41.00, -5.07, 15.99
CIE _{LCh}	41, 16.780, 107.602
Yxy	11.8645, 0.3526, 0.3950
Android (android.graphics.Color)	4284637766 (0xFF626246)
YUV	94.8080, -12.2303, 2.7994
Hunter-Lab	34.4449, -5.3864, 11.0608

Details

The CIELCh color $41, 16.780, 107.602$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 17.878, 293.352$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 16.738, 108.282$, and $21, 17.091, 107.920$ is the 20% darker color. If you saturate the color by 10%, you get $41, 22.510, 106.716$, and if you desaturate by 10%, it is $41, 10.938, 108.509$.

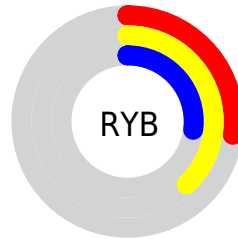
Distribution



Red (38%)

Green (38%)

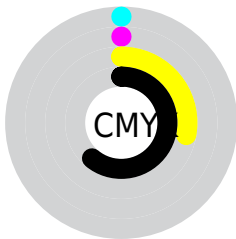
Blue (27%)



Red (27%)

Yellow (38%)

Blue (27%)

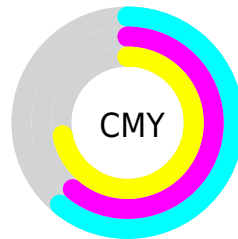


Cyan (0%)

Magenta (0%)

Yellow (28%)

Black (61%)



Cyan (61%)

Magenta (61%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 16.780, 107.602 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, 16.780, 107.602 by changing the saturation by 10% instead.

■ 41, 16.780,
107.602

■ 41, 16.780,
107.602

■ 100, 16.780,
107.602

■ 31, 16.780,
107.602

■ 61, 16.780,
107.602

■ 21, 16.780,
107.602

■ 71, 16.780,
107.602

■ 11, 16.780,
107.602

■ 81, 16.780,
107.602

■ 1, 16.780, 107.602

■ 91, 16.780,
107.602

■ 0, 16.780, 107.602

■ 41, 16.780,

■ 41, 16.780,

107.602

107.602

■ 41, 22.510,
106.716

■ 41, 10.938,
108.509

■ 41, 28.047,
105.859

■ 41, 5.032, 109.409

■ 41, 33.280,
105.056

■ 42, 0.904, 290.352

■ 42, 6.847, 291.188

■ 40, 38.042,
104.335

■ 42, 12.781,
292.032

■ 40, 42.115,
103.730

■ 43, 18.695,
292.846

■ 40, 45.252,
103.272

■ 43, 24.581,
293.625

■ 40, 47.797,
102.906

■ 44, 30.431,
294.368

■ 40, 48.203,
102.848

■ 44, 36.240,

Harmonies

Complementary

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



41, 16.780, 107.602



31, 17.878, 293.352

Rectangle

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



41, 16.780, 107.602



41, 16.780, 157.602



41, 16.780, 287.602



41, 16.780, 337.602

Sweetspot

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



41, 16.781, 107.606



53, 6.604, 109.340



33, 12.890, 20.229



27, 4.549, 109.247



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



41, 16.781, 107.606



52, 24.685, 107.024



40, 17.925, 127.243



20, 3.284, 109.376



46, 52.897, 102.848



92, 92.471, 102.848

Inverse Universe

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



31, 17.878, 293.352



37, 26.758, 294.291



32, 18.623, 309.788



18, 3.349, 291.025



10, 73.041, 306.286



30, 127.689, 306.287

Previews

White Background



This preview shows how the CIE LCh color 41, 16.780, 107.602 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, 16.780, 107.602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

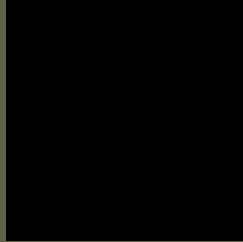
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

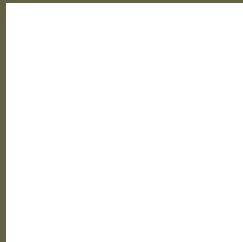
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 16.780, 107.602

Background



This preview shows how black text looks on a background with the CIELCh color 41, 16.780, 107.602.



This preview shows how white text looks on a background with the CIELCh color 41, 16.780, 107.602.

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

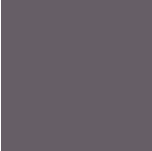
41, 16.780, 107.602

Protanopia

41, 16.540, 96.437

Deuteranopia

41, 16.152, 71.064



Tritanopia
41, 5.905, 324.817

Trichromacy



Original Color
41, 16.780, 107.602

Protanomaly
41, 16.378, 99.613

Deuteranomaly
41, 15.722, 85.451

Tritanomaly
41, 4.209, 78.850

Monochromacy



Original Color
41, 16.780, 107.602

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 6.052, 109.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 16.780, 107.602 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(98, 98, 70)` looks like.

```
.text, #text, p{  
    color:rgb(98, 98, 70)  
}
```

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(98, 98, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 98, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 16.780, 107.602 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(98, 98, 70) }
```

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

```
.border{ border-color:rgb(98, 98, 70) }
```

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

Here you see how a box with a 4 pixel rgb(98, 98, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 98, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 98, 70);  
box-shadow:4px 4px 4px 4px rgb(98, 98, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 16.780, 107.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 98, 70) }
```

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

```
.background{ background-color: rgb(98, 98,  
70) }
```

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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