

Converting Colors

CIELCh(41, 16.565, 103.953)

Have a look what the booklet for
CIELCh(41, 16.565, 103.953)
contains.

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Color

CIELCh(41, 16.802, 104.481)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 646246 |
| RGB | 100, 98, 70 |
| RGB Percent | 39%, 38%, 27% |
| CMY | 0.6082, 0.6160, 0.7258 |
| CMYK | 0.00, 0.02, 0.30, 0.61 |
| HSL | 56°, 18%, 33% |
| HSV | 56°, 30%, 39% |
| XYZ | 10.7082, 11.8645, 7.5064 |
| YIQ | 95.4060, 10.1800, -8.2840 |

Conversions

Conversions Part 2

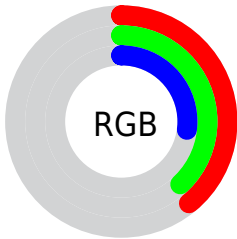
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 72, 100, 70 |
| Decimal | 6578758 |
| CIE Lab | 41.00, -4.20, 16.27 |
| CIE LCh | 41, 16.802, 104.481 |
| Yxy | 11.8645, 0.3560, 0.3944 |
| Android (android.graphics.Color) | 4284768838 (0xFF646246) |
| YUV | 95.4060, -12.5252, 4.0289 |
| Hunter-Lab | 34.4449, -4.7868, 11.1907 |




Details

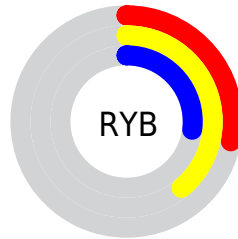
The CIELCh color $41, 16.802, 104.481$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 17.805, 290.918$, and the grayscale version is $40, 0.006, 296.813$.




A 20% lighter version of the original color is $61, 16.753, 105.442$, and $21, 17.092, 104.385$ is the 20% darker color. If you saturate the color by 10%, you get $41, 22.278, 103.518$, and if you desaturate by 10%, it is $41, 11.237, 105.455$.

Distribution







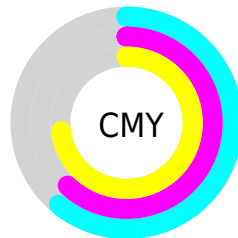
-  Red (39%)
-  Green (38%)
-  Blue (27%)






-  Red (28%)
-  Yellow (39%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (2%)
-  Yellow (30%)
-  Black (61%)





-  Cyan (61%)
-  Magenta (62%)
-  Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 16.802, 104.481 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, 16.802, 104.481 by changing the saturation by 10% instead.


 41, 16.802,
104.481


 41, 16.802,
104.481


 100, 16.802,
104.481


 31, 16.802,
104.481

 61, 16.802,
104.481


 21, 16.802,
104.481

 71, 16.802,
104.481


 11, 16.802,
104.481


 81, 16.802,
104.481

 1, 16.802, 104.481

 91, 16.802,
104.481

 0, 16.802, 104.481

 41, 16.802,

 41, 16.802,

104.481

104.481

■ 41, 22.278,
103.518

■ 41, 11.237,
105.455

■ 40, 27.588,
102.568

■ 42, 5.628, 106.413

■ 40, 32.619,
101.653

■ 42, 0.005, 96.946

■ 43, 5.611, 288.299

■ 40, 37.199,
100.794

■ 43, 11.207,
289.184

■ 39, 41.094,
100.012

■ 44, 16.777,
290.038

■ 39, 44.029, 99.328

■ 45, 22.312,
290.857

■ 39, 46.572, 98.699

■ 45, 27.811,
291.636

■ 46, 33.268,

Harmonies

Complementary

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



41, 16.802, 104.481



31, 17.805, 290.918

Rectangle

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



41, 16.802, 104.481



41, 16.802, 154.481



41, 16.802, 284.481



41, 16.802, 334.481

Sweetspot

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



41, 16.803, 104.485



54, 6.278, 106.485



33, 13.777, 16.550



28, 4.397, 106.382



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, 16.803, 104.485



52, 24.938, 103.803



41, 18.899, 125.337



21, 3.207, 106.515



44, 51.328, 98.628



89, 88.774, 98.354

Inverse Universe

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



31, 17.805, 290.918



38, 26.871, 292.005



32, 19.769, 308.195



19, 3.263, 288.274



12, 70.594, 304.892



31, 125.907, 305.679

Previews

White Background



This preview shows how the CIELCh color 41, 16.802, 104.481 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, 16.802, 104.481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

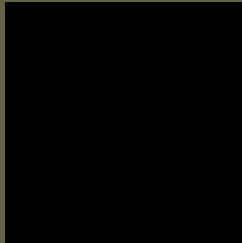
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

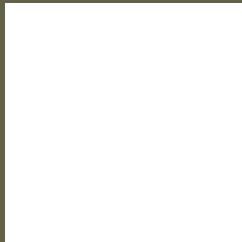
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 16.802, 104.481

Background



This preview shows how black text looks on a background with the CIELCh color 41, 16.802, 104.481.



This preview shows how white text looks on a background with the CIELCh color 41, 16.802, 104.481.

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, 16.802, 104.481

Protanopia

41, 17.123, 96.702

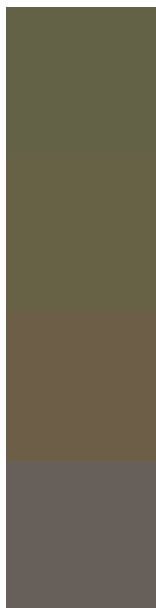
Deuteranopia

41, 16.654, 72.148



Tritanopia
41, 5.967, 334.867

Trichromacy



Original Color
41, 16.802, 104.481

Protanomaly
41, 17.037, 98.235

Deuteranomaly
41, 15.916, 83.906

Tritanomaly
41, 4.588, 60.821

Monochromacy



Original Color
41, 16.802, 104.481

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 6.063, 105.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 16.802, 104.481 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(100, 98, 70)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 98, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 98, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 16.802, 104.481 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(100, 98, 70) }
```

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

```
.border{ border-color:rgb(100, 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(100, 98, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 98, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 98, 70);  
box-shadow:4px 4px 4px 4px rgb(100, 98,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 16.802, 104.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 98, 70) }
```

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

```
.background{ background-color: rgb(100, 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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