

Converting Colors

CIELCh(41, 9.640, 92.342)

Have a look what the booklet for
CIELCh(41, 9.640, 92.342) contains.

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Color

CIELCh(41, 9.445, 92.365)

Conversions

Conversions Part 1

Format	Color
Hex	666051
RGB	102, 96, 81
RGB Percent	40%, 38%, 32%
CMY	0.5988, 0.6223, 0.6812
CMYK	0.00, 0.06, 0.21, 0.60
HSL	43°, 11%, 36%
HSV	43°, 21%, 40%
XYZ	11.2233, 11.8645, 9.5429
YIQ	96.0840, 8.3910, -3.3930

Conversions

Conversions Part 2

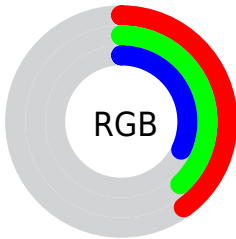
Format	Color
R_{YB}	89, 102, 81
Decimal	6709329
CIE Lab	41.00, -0.39, 9.44
CIE LCh	41, 9.445, 92.365
Yxy	11.8645, 0.3439, 0.3636
Android (android.graphics.Color)	4284899409 (0xFF666051)
YUV	96.0840, -7.4364, 5.1883
Hunter-Lab	34.4449, -2.1174, 7.6853

Details

The CIELCh color $41, 9.445, 92.365$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $37, 9.504, 277.405$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 9.407, 91.546$, and $21, 9.748, 92.726$ is the 20% darker color. If you saturate the color by 10%, you get $40, 14.140, 91.171$, and if you desaturate by 10%, it is $42, 4.808, 93.531$.

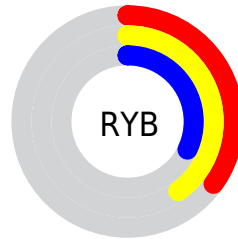
Distribution



Red (40%)

Green (38%)

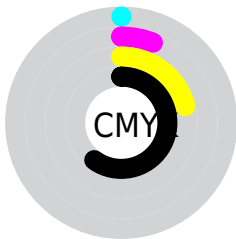
Blue (32%)



Red (35%)

Yellow (40%)

Blue (32%)

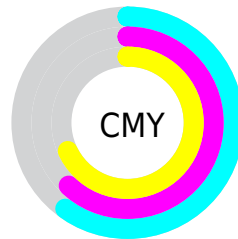


Cyan (0%)

Magenta (6%)

Yellow (21%)

Black (60%)



Cyan (60%)

Magenta (62%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 9.445, 92.365 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, 9.445, 92.365 by changing the saturation by 10% instead.

 41, 9.445, 92.365  41, 9.445, 92.365

 100, 9.445, 92.365  31, 9.445, 92.365

 61, 9.445, 92.365  21, 9.445, 92.365


 71, 9.445, 92.365  11, 9.445, 92.365

 81, 9.445, 92.365  1, 9.445, 92.365

 91, 9.445, 92.365  0, 9.445, 92.365

 41, 9.445, 92.365  41, 9.445, 92.365

 40, 14.140, 91.171  42, 4.808, 93.531

 39, 18.868, 89.935  43, 0.238, 94.150

 38, 23.587, 88.667  44, 4.263, 275.811

37, 28.217, 87.362

46, 8.694, 276.842

36, 32.618, 86.007

47, 13.058,
277.839

35, 36.563, 84.567

48, 17.359,
278.791

34, 39.718, 82.976

33, 42.626, 81.549

49, 21.600,
279.698

51, 25.786,
280.560

52, 29.919,
281.378

Harmonies

Complementary

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



41, 9.445, 92.365



37, 9.504, 277.405

Rectangle

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



41, 9.445, 92.365



41, 9.445, 142.365



41, 9.445, 272.365



41, 9.445, 322.365

Sweetspot

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



41, 9.446, 92.373



55, 3.374, 94.011



37, 9.895, 357.894



28, 2.221, 93.969



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, 9.446, 92.373



52, 14.280, 91.756



42, 12.699, 116.680



21, 2.552, 93.712



37, 46.192, 81.218



75, 79.816, 79.667

Inverse Universe

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



37, 9.504, 277.405



46, 14.390, 278.201



36, 13.233, 299.470



20, 2.563, 275.833



17, 55.813, 297.583



39, 102.826, 299.601

Previews

White Background



This preview shows how the CIELCh color 41, 9.445, 92.365 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, 9.445, 92.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

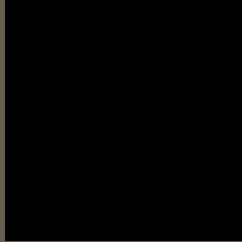
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 9.445, 92.365

Background



This preview shows how black text looks on a background with the CIELCh color 41, 9.445, 92.365.

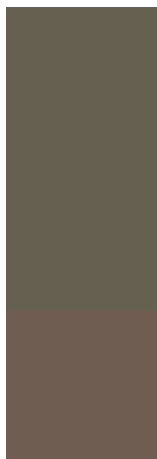


This preview shows how white text looks on a background with the CIELCh color 41, 9.445, 92.365.

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, 9.445, 92.365

Protanopia

41, 9.445, 92.365

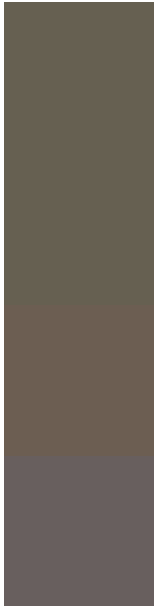
Deuteranopia

41, 10.533, 59.037



Tritanopia
41, 6.267, 337.661

Trichromacy



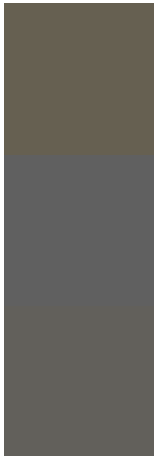
Original Color
41, 9.445, 92.365

Protanomaly
41, 9.445, 92.365

Deuteranomaly
41, 9.627, 68.466

Tritanomaly
41, 3.882, 28.753

Monochromacy



Original Color
41, 9.445, 92.365

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 3.136, 93.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 9.445, 92.365 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, 96, 81)` looks like.

```
.text, #text, p{  
    color:rgb(102, 96, 81)  
}
```

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, 96, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 96, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 9.445, 92.365 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, 96, 81) }
```

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

```
.border{ border-color:rgb(102, 96, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 96, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 96, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 96, 81);  
box-shadow:4px 4px 4px 4px rgb(102, 96,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 9.445, 92.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 96, 81) }
```

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

```
.background{ background-color: rgb(102, 96,  
81) }
```

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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