

Converting Colors

CIELCh(42, 9.347, 83.562)

Have a look what the booklet for
CIELCh(42, 9.347, 83.562) contains.

CIELCh(42, 9.329, 83.584)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 9.329, 83.584)

Conversions

Conversions Part 1

Format	Color
Hex	6B6254
RGB	107, 98, 84
RGB Percent	42%, 38%, 33%
CMY	0.5804, 0.6157, 0.6706
CMYK	0.00, 0.08, 0.21, 0.58
HSL	37°, 12%, 37%
HSV	37°, 21%, 42%
XYZ	12.0301, 12.5000, 10.1652
YIQ	99.0950, 9.8580, -2.4460

Conversions

Conversions Part 2

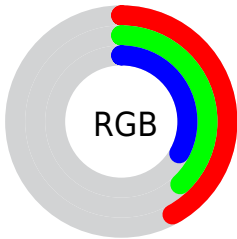
Format	Color
R _Y B	99, 107, 84
Decimal	7037524
CIE Lab	42.00, 1.04, 9.27
CIE LCh	42, 9.329, 83.584
Yxy	12.5000, 0.3467, 0.3603
Android (android.graphics.Color)	4285227604 (0xFF6B6254)
YUV	99.0950, -7.4418, 6.9327
Hunter-Lab	35.3553, -1.1349, 7.7020

Details

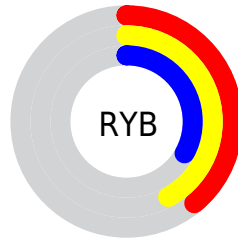
The CIELCh color $42, 9.329, 83.584$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $39, 9.150, 269.183$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 9.303, 83.428$, and $22, 9.396, 85.989$ is the 20% darker color. If you saturate the color by 10%, you get $41, 13.858, 82.332$, and if you desaturate by 10%, it is $43, 4.919, 84.809$.

Distribution



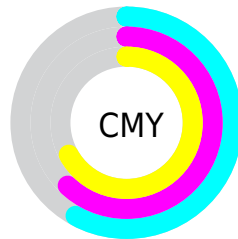
- Red (42%)
- Green (38%)
- Blue (33%)



- Red (39%)
- Yellow (42%)
- Blue (33%)



- Cyan (0%)
- Magenta (8%)
- Yellow (21%)
- Black (58%)



















- Cyan (58%)
- Magenta (62%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 9.329, 83.584 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 42, 9.329, 83.584 by changing the saturation by 10% instead.

 42, 9.329, 83.584	 42, 9.329, 83.584
 100, 9.329, 83.584	 32, 9.329, 83.584
 62, 9.329, 83.584	 22, 9.329, 83.584
 72, 9.329, 83.584	 12, 9.329, 83.584
 82, 9.329, 83.584	 2, 9.329, 83.584
 92, 9.329, 83.584	 0, 9.329, 83.584

 42, 9.329, 83.584	 42, 9.329, 83.584
 41, 13.858, 82.332	 43, 4.919, 84.809
 39, 18.495, 81.035	 45, 0.627, 85.755
 38, 23.209, 79.702	 47, 3.552, 267.246

36, 27.938, 78.322

48, 7.627, 268.330

35, 32.555, 76.863

50, 11.604,
269.388

34, 36.832, 75.260

51, 15.494,
270.402

33, 40.408, 73.389

32, 43.559, 71.986

53, 19.304,
271.371

54, 23.042,
272.294

56, 26.714,
273.172

Harmonies

Complementary

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



42, 9.329, 83.584



39, 9.150, 269.183

Rectangle

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



42, 9.329, 83.584



42, 9.329, 133.584



42, 9.329, 263.584



42, 9.329, 313.584

Sweetspot

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



42, 9.330, 83.593



57, 3.180, 85.419



38, 11.317, 351.357



30, 2.127, 85.370



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 9.330, 83.593



54, 14.193, 82.937



44, 13.663, 112.457



22, 2.397, 85.105



35, 46.526, 71.632



70, 80.262, 69.570

Inverse Universe

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



39, 9.150, 269.183



49, 13.843, 270.053



37, 14.308, 296.008



21, 2.384, 267.379



21, 47.926, 291.342



46, 87.692, 293.742

Previews

White Background



This preview shows how the CIELCh color 42, 9.329, 83.584 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 42, 9.329, 83.584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

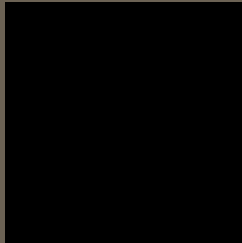
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 9.329, 83.584

Background



This preview shows how black text looks on a background with the CIELCh color 42, 9.329, 83.584.

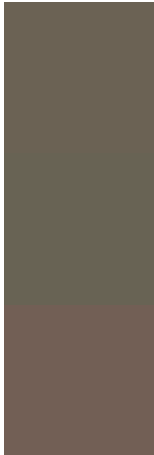


This preview shows how white text looks on a background with the CIELCh color 42, 9.329, 83.584.

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


42, 9.329, 83.584

Protanopia

42, 9.277, 95.062

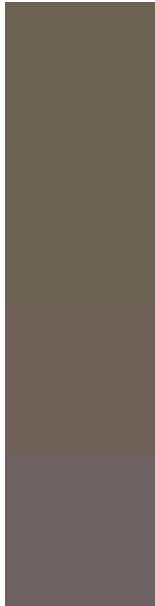
Deuteranopia

42, 10.458, 55.152



Tritanopia
42, 7.587, 340.917

Trichromacy



Original Color

42, 9.329, 83.584

Protanomaly

42, 9.394, 92.427

Deuteranomaly

42, 9.439, 64.249

Tritanomaly

42, 5.111, 20.013

Monochromacy



Original Color

42, 9.329, 83.584

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 3.258, 86.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 9.329, 83.584 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(107, 98, 84)` looks like.

```
.text, #text, p{  
    color:rgb(107, 98, 84)  
}
```

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(107, 98, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 98, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 9.329, 83.584 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(107, 98, 84) }
```

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

```
.border{ border-color:rgb(107, 98, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 98, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 98, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 98, 84);  
box-shadow:4px 4px 4px 4px rgb(107, 98,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 9.329, 83.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 98, 84) }
```

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

```
.background{ background-color: rgb(107, 98,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor