

Converting Colors

CIELCh(42, 13.993, 87.172)

Have a look what the booklet for
CIELCh(42, 13.993, 87.172) contains.

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Color

CIELCh(42, 14.157, 87.451)

Conversions

Conversions Part 1

Format	Color
Hex	6D624C
RGB	109, 98, 76
RGB Percent	43%, 38%, 30%
CMY	0.5727, 0.6158, 0.7021
CMYK	0.00, 0.10, 0.30, 0.57
HSL	40°, 18%, 36%
HSV	40°, 30%, 43%
XYZ	11.9709, 12.5000, 8.6139
YIQ	98.7810, 13.6180, -4.5100

Conversions

Conversions Part 2

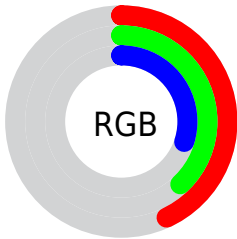
Format	Color
RYB	93, 109, 76
Decimal	7168588
CIELab	42.00, 0.63, 14.14
CIELCh	42, 14.157, 87.451
Yxy	12.5000, 0.3618, 0.3778
Android (android.graphics.Color)	4285358668 (0xFF6D624C)
YUV	98.7810, -11.2310, 8.9621
Hunter-Lab	35.3553, -1.4340, 10.3035

Details

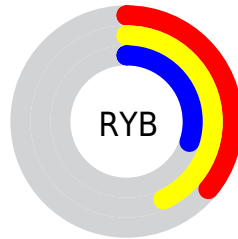
The CIELCh color **42, 14.157, 87.451** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 14.068, 275.502**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 14.296, 88.333**, and **22, 14.137, 87.591** is the 20% darker color. If you saturate the color by 10%, you get **41, 18.994, 86.176**, and if you desaturate by 10%, it is **43, 9.390, 88.701**.

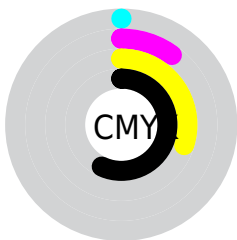
Distribution



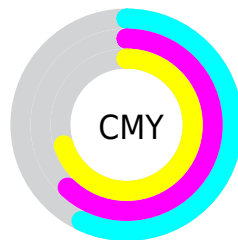
- Red (43%)
- Green (38%)
- Blue (30%)



- Red (36%)
- Yellow (43%)
- Blue (30%)



- Cyan (0%)
- Magenta (10%)
- Yellow (30%)
- Black (57%)





















- Cyan (57%)
- Magenta (62%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 14.157, 87.451 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, 14.157, 87.451 by changing the saturation by 10% instead.

 42, 14.157, 87.451	 42, 14.157, 87.451
 100, 14.157, 87.451	 32, 14.157, 87.451
 62, 14.157, 87.451	 22, 14.157, 87.451
 72, 14.157, 87.451	 12, 14.157, 87.451
 82, 14.157, 87.451	 2, 14.157, 87.451
 92, 14.157, 87.451	 0, 14.157, 87.451

 42, 14.157, 87.451	 42, 14.157, 87.451
 41, 18.994, 86.176	 43, 9.390, 88.701
 39, 23.863, 84.858	 45, 4.710, 89.896

■ 38, 28.689, 83.496

■ 46, 0.122, 89.830

■ 37, 33.335, 82.067

■ 47, 4.375, 272.263

■ 36, 37.567, 80.524

■ 49, 8.784, 273.328

■ 35, 41.022, 78.772

■ 50, 13.110,
274.358

■ 34, 44.184, 77.121

■ 52, 17.361,
275.342

■ 53, 21.542,
276.281

■ 54, 25.658,
277.172

Harmonies

Complementary

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



42, 14.157, 87.451



37, 14.068, 275.502

Rectangle

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



42, 14.157, 87.451



42, 14.157, 137.451



42, 14.157, 267.451



42, 14.157, 317.451

Sweetspot

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



42, 14.158, 87.457



58, 5.141, 90.015



36, 15.818, 356.763



29, 3.552, 89.884



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, 14.158, 87.457



53, 21.136, 86.601



45, 19.559, 114.629



22, 2.534, 90.050



37, 46.551, 76.877



73, 80.001, 75.097

Inverse Universe

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



37, 14.068, 275.502



46, 20.986, 276.761



34, 20.877, 299.219



21, 2.535, 272.263



19, 52.835, 295.087



42, 96.613, 297.247

Previews

White Background



This preview shows how the CIELCh color 42, 14.157, 87.451 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, 14.157, 87.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

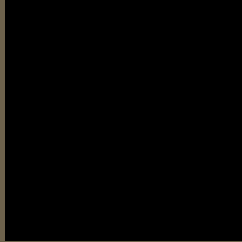
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 14.157, 87.451

Background



This preview shows how black text looks on a background with the CIELCh color 42, 14.157, 87.451.

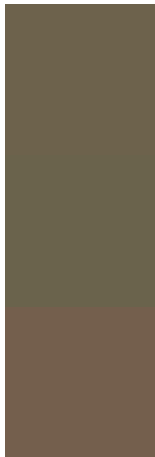


This preview shows how white text looks on a background with the CIELCh color 42, 14.157, 87.451.

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, 14.157, 87.451

Protanopia

42, 14.156, 95.136

Deuteranopia

42, 14.622, 67.388



Tritanopia
42, 8.960, 348.107

Trichromacy



Original Color
42, 14.157, 87.451

Protanomaly
42, 14.269, 93.348

Deuteranomaly
42, 13.908, 74.510

Tritanomaly
42, 7.025, 30.074

Monochromacy



Original Color
42, 14.157, 87.451

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 5.102, 89.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 14.157, 87.451 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(109, 98, 76)` looks like.

```
.text, #text, p{  
    color:rgb(109, 98, 76)  
}
```

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(109, 98, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 98, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 14.157, 87.451 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(109, 98, 76) }
```

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

```
.border{ border-color:rgb(109, 98, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 98, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 98, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 98, 76);  
box-shadow:4px 4px 4px 4px rgb(109, 98,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 14.157, 87.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 98, 76) }
```

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

```
.background{ background-color: rgb(109, 98,  
76) }
```

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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