

Converting Colors

CIELCh(42, 24.052, 87.059)

Have a look what the booklet for
CIELCh(42, 24.052, 87.059) contains.

CIELCh(42, 24.168, 87.057)	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, 24.168, 87.057)

Conversions

Conversions Part 1

Format	Color
Hex	72613B
RGB	114, 97, 59
RGB Percent	45%, 38%, 23%
CMY	0.5520, 0.6187, 0.7678
CMYK	0.00, 0.15, 0.48, 0.55
HSL	41°, 32%, 34%
HSV	41°, 48%, 45%
XYZ	12.0587, 12.5000, 5.9426
YIQ	97.7510, 22.3300, -8.2140

Conversions

Conversions Part 2

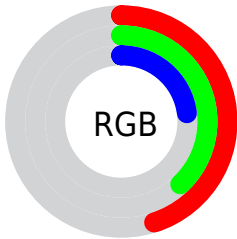
Format	Color
R_{YB}	84, 114, 59
Decimal	7495995
CIE _{Lab}	42.00, 1.24, 24.14
CIE _{LCh}	42, 24.168, 87.057
Yxy	12.5000, 0.3953, 0.4098
Android (android.graphics.Color)	4285686075 (0xFF72613B)
YUV	97.7510, -19.1042, 14.2504
Hunter-Lab	35.3553, -0.9908, 14.7832

Details

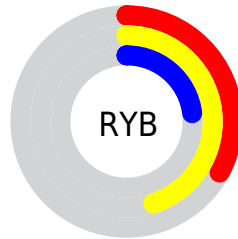
The CIELCh color **42, 24.168, 87.057** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 24.375, 280.975**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 23.977, 86.541**, and **22, 24.255, 87.486** is the 20% darker color. If you saturate the color by 10%, you get **41, 29.229, 85.721**, and if you desaturate by 10%, it is **43, 19.054, 88.362**.

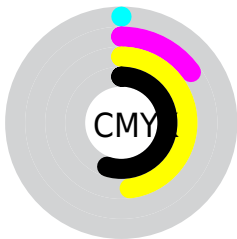
Distribution



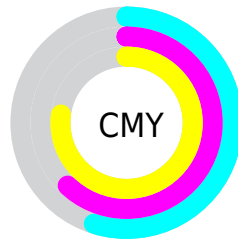
- Red (45%)
- Green (38%)
- Blue (23%)



- Red (33%)
- Yellow (45%)
- Blue (23%)



- Cyan (0%)
- Magenta (15%)
- Yellow (48%)
- Black (55%)





















- Cyan (55%)
- Magenta (62%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 24.168, 87.057 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, 24.168, 87.057 by changing the saturation by 10% instead.

 42, 24.168, 87.057	 42, 24.168, 87.057
 100, 24.168, 87.057	 32, 24.168, 87.057
 62, 24.168, 87.057	 22, 24.168, 87.057
 72, 24.168, 87.057	 12, 24.168, 87.057
 82, 24.168, 87.057	 2, 24.168, 87.057
 92, 24.168, 87.057	 0, 24.168, 87.057

 42, 24.168, 87.057	 42, 24.168, 87.057
 41, 29.229, 85.721	 43, 19.054, 88.362
 40, 34.100, 84.325	 44, 13.962, 89.627

39, 38.549, 82.836

46, 8.930, 90.854

38, 42.216, 81.180

47, 3.977, 92.028

37, 45.203, 79.417

48, 0.890, 273.386

36, 45.828, 79.135

50, 5.671, 274.355

51, 10.369,
275.406

53, 14.988,
276.418

54, 19.534,
277.384

Harmonies

Complementary

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



42, 24.168, 87.057



33, 24.375, 280.975

Rectangle

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



42, 24.168, 87.057



42, 24.168, 137.057



42, 24.168, 267.057



42, 24.168, 317.057

Sweetspot

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



42, 24.168, 87.061



59, 8.473, 91.309



32, 26.316, 0.631



30, 5.821, 91.109



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 24.168, 87.061



52, 36.008, 85.542



46, 31.861, 114.182



23, 2.700, 91.935



38, 47.415, 78.992



75, 80.782, 77.395

Inverse Universe

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



33, 24.375, 280.975



38, 36.706, 283.788



28, 35.679, 301.742



22, 2.707, 274.135



19, 55.858, 296.532



41, 101.096, 298.522

Previews

White Background



This preview shows how the CIELCh color 42, 24.168, 87.057 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, 24.168, 87.057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

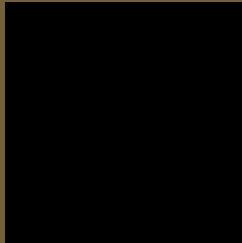
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 24.168, 87.057

Background



This preview shows how black text looks on a background with the CIELCh color 42, 24.168, 87.057.

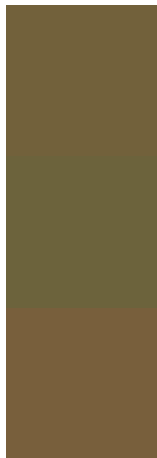


This preview shows how white text looks on a background with the CIELCh color 42, 24.168, 87.057.

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, 24.168, 87.057

Protanopia

42, 23.565, 96.240

Deuteranopia

42, 24.390, 77.495



Tritanopia
42, 12.016, 357.566

Trichromacy



Original Color
42, 24.168, 87.057

Protanomaly
42, 23.368, 92.607

Deuteranomaly
42, 24.141, 81.007

Tritanomaly
42, 11.708, 47.878

Monochromacy



Original Color
42, 24.168, 87.057

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 8.833, 91.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 24.168, 87.057 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(114, 97, 59)` looks like.

```
.text, #text, p{  
    color:rgb(114, 97, 59)  
}
```

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(114, 97, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 97, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 24.168, 87.057 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(114, 97, 59) }
```

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

```
.border{ border-color:rgb(114, 97, 59) }
```

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

Here you see how a box with a 4 pixel rgb(114, 97, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 97, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 97, 59);  
box-shadow:4px 4px 4px 4px rgb(114, 97,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 24.168, 87.057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 97, 59) }
```

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

```
.background{ background-color: rgb(114, 97,  
59) }
```

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