

Converting Colors

CIELCh(42, 24.759, 89.040)

Have a look what the booklet for
CIELCh(42, 24.759, 89.040) contains.

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Color

CIELCh(42, 24.901, 89.814)

Conversions

Conversions Part 1

Format	Color
Hex	71623A
RGB	113, 98, 58
RGB Percent	44%, 38%, 23%
CMY	0.5577, 0.6164, 0.7733
CMYK	0.00, 0.13, 0.49, 0.56
HSL	44°, 32%, 33%
HSV	44°, 49%, 44%
XYZ	11.8924, 12.5000, 5.7647
YIQ	97.9250, 21.7800, -9.2600

Conversions

Conversions Part 2

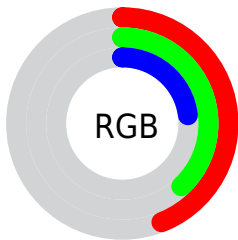
Format	Color
R_{YB}	79, 113, 58
Decimal	7430714
CIE _{Lab}	42.00, 0.08, 24.90
CIE _{LCh}	42, 24.901, 89.814
Yxy	12.5000, 0.3943, 0.4145
Android (android.graphics.Color)	4285620794 (0xFF71623A)
YUV	97.9250, -19.6830, 13.2208
Hunter-Lab	35.3553, -1.8302, 15.0815

Details

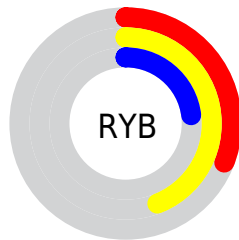
The CIELCh color $42, 24.901, 89.814$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 25.640, 283.573$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 25.034, 90.441$, and $22, 24.914, 90.439$ is the 20% darker color. If you saturate the color by 10%, you get $41, 29.956, 88.520$, and if you desaturate by 10%, it is $43, 19.749, 91.083$.

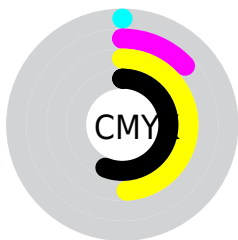
Distribution



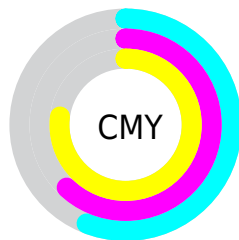
- Red (44%)
- Green (38%)
- Blue (23%)



- Red (31%)
- Yellow (44%)
- Blue (23%)



- Cyan (0%)
- Magenta (13%)
- Yellow (49%)
- Black (56%)





















- Cyan (56%)
- Magenta (62%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 24.901, 89.814 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, 24.901, 89.814 by changing the saturation by 10% instead.

 42, 24.901, 89.814	 42, 24.901, 89.814
 100, 24.901, 89.814	 32, 24.901, 89.814
 62, 24.901, 89.814	 22, 24.901, 89.814
 72, 24.901, 89.814	 12, 24.901, 89.814
 82, 24.901, 89.814	 2, 24.901, 89.814
 92, 24.901, 89.814	 0, 24.901, 89.814

 42, 24.901, 89.814	 42, 24.901, 89.814
 41, 29.956, 88.520	 43, 19.749, 91.083
 40, 34.764, 87.178	 44, 14.582, 92.316

■ 39, 39.081, 85.763

■ 45, 9.449, 93.514

■ 38, 42.548, 84.214

■ 47, 4.374, 94.665

■ 37, 45.381, 82.605

■ 48, 0.633, 276.032

■ 37, 45.787, 82.423

■ 49, 5.568, 276.933

■ 50, 10.430,
277.962

■ 51, 15.223,
278.953

■ 53, 19.950,
279.898

Harmonies

Complementary

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



42, 24.901, 89.814



31, 25.640, 283.573

Rectangle

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



42, 24.901, 89.814



42, 24.901, 139.814



42, 24.901, 269.814



42, 24.901, 319.814

Sweetspot

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



42, 24.901, 89.818



59, 9.423, 93.904



32, 26.129, 3.153



30, 6.395, 93.717



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, 24.901, 89.818



53, 36.920, 88.412



45, 32.026, 115.618



23, 2.803, 94.637



39, 47.790, 82.266



78, 81.308, 80.880

Inverse Universe

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



31, 25.640, 283.573



37, 38.632, 286.199



28, 35.789, 302.772



22, 2.819, 276.778



18, 58.955, 298.386



39, 106.477, 300.218

Previews

White Background



This preview shows how the CIELCh color 42, 24.901, 89.814 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, 24.901, 89.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

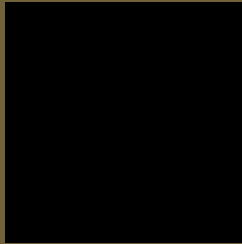
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 24.901, 89.814

Background



This preview shows how black text looks on a background with the CIELCh color 42, 24.901, 89.814.

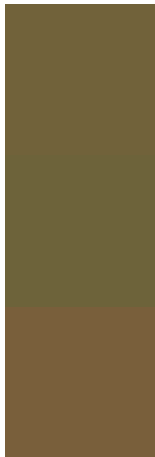


This preview shows how white text looks on a background with the CIELCh color 42, 24.901, 89.814.

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, 24.901, 89.814

Protanopia

42, 24.788, 95.414

Deuteranopia

42, 25.172, 77.071



Tritanopia
42, 11.002, 358.511

Trichromacy



Original Color
42, 24.901, 89.814

Protanomaly
42, 24.894, 94.335

Deuteranomaly
42, 24.676, 81.457

Tritanomaly
42, 10.837, 53.798

Monochromacy



Original Color
42, 24.901, 89.814

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 9.294, 95.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 24.901, 89.814 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(113, 98, 58)` looks like.

```
.text, #text, p{  
    color:rgb(113, 98, 58)  
}
```

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(113, 98, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 98, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 24.901, 89.814 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(113, 98, 58) }
```

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

```
.border{ border-color:rgb(113, 98, 58) }
```

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

Here you see how a box with a 4 pixel rgb(113, 98, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 98, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 98, 58);  
box-shadow:4px 4px 4px 4px rgb(113, 98,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 24.901, 89.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 98, 58) }
```

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

```
.background{ background-color: rgb(113, 98,  
58) }
```

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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