

Converting Colors

CIELCh(43, 0.851, 90.650)

Have a look what the booklet for
CIELCh(43, 0.851, 90.650) contains.

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Color

CIELCh(43, 0.722, 74.887)

Conversions

Conversions Part 1

Format	Color
Hex	666564
RGB	102, 101, 100
RGB Percent	40%, 40%, 39%
CMY	0.5985, 0.6024, 0.6063
CMYK	0.00, 0.01, 0.02, 0.60
HSL	30°, 1%, 40%
HSV	30°, 2%, 40%
XYZ	12.5339, 13.1578, 14.0341
YIQ	101.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

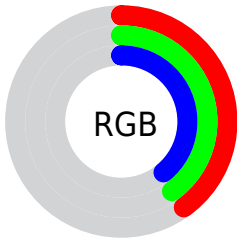
Format	Color
R_{YB}	102, 102, 100
Decimal	6710628
CIE Lab	43.00, 0.19, 0.70
CIE LCh	43, 0.722, 74.887
Yxy	13.1578, 0.3155, 0.3312
Android (android.graphics.Color)	4284900708 (0xFF666564)
YUV	101.1850, -0.5842, 0.7148
Hunter-Lab	36.2736, -1.8007, 2.4526

Details

The CIELCh color $[43, 0.722, 74.887]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[43, 0.728, 256.054]$, and the grayscale version is $[43, 0.006, 296.813]$.

A 20% lighter version of the original color is $[63, 0.669, 74.816]$, and $[23, 0.806, 74.863]$ is the 20% darker color. If you saturate the color by 10%, you get $[41, 4.537, 74.107]$, and if you desaturate by 10%, it is $[45, 2.939, 256.500]$.

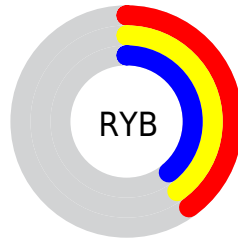
Distribution



Red (40%)

Green (40%)

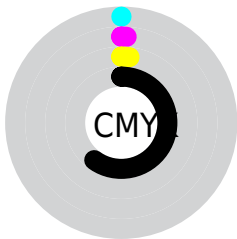
Blue (39%)



Red (40%)

Yellow (40%)

Blue (39%)

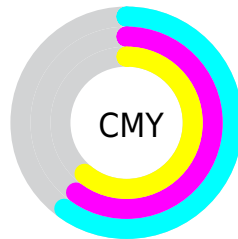


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (60%)



Cyan (60%)

Magenta (60%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 0.722, 74.887 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 43, 0.722, 74.887 by changing the saturation by 10% instead.

■ 43, 0.722, 74.887 ■ 43, 0.722, 74.887

100, 0.722, 74.887 ■ 33, 0.722, 74.887

■ 63, 0.722, 74.887 ■ 23, 0.722, 74.887

■ 73, 0.722, 74.887 ■ 13, 0.722, 74.887

■ 83, 0.722, 74.887 ■ 3, 0.722, 74.887

■ 93, 0.722, 74.887 ■ 0, 0.722, 74.887

■ 43, 0.722, 74.887 ■ 43, 0.722, 74.887

■ 41, 4.537, 74.107 ■ 45, 2.939, 256.500

■ 39, 8.518, 72.965 ■ 47, 6.462, 257.548

■ 38, 12.677, 71.794 ■ 48, 9.862, 258.590

36, 17.017, 70.610

50, 13.151,
259.602

34, 21.526, 69.414

52, 16.341,
260.575

33, 26.166, 68.194

31, 30.846, 66.916

54, 19.444,
261.510

30, 35.377, 65.498

56, 22.468,
262.404

28, 39.448, 63.798

58, 25.423,
263.257

60, 28.316,
264.071

Harmonies

Complementary

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



43, 0.722, 74.887



43, 0.728, 256.054

Rectangle

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



43, 0.722, 74.887



43, 0.722, 124.887



43, 0.722, 254.887



43, 0.722, 304.887

Sweetspot

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



43, 0.722, 74.991



55, 0.454, 74.810



43, 1.033, 343.559



28, 0.256, 74.762



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



43, 0.722, 74.991



55, 0.915, 74.995



43, 1.194, 109.971



21, 0.414, 74.980



31, 46.796, 62.337



64, 82.253, 59.976

Inverse Universe

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



43, 0.728, 256.054



55, 0.921, 256.050



43, 1.210, 290.387



21, 0.417, 256.063



24, 38.497, 282.063



52, 70.798, 284.989

Previews

White Background



This preview shows how the CIELCh color 43, 0.722, 74.887 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 43, 0.722, 74.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

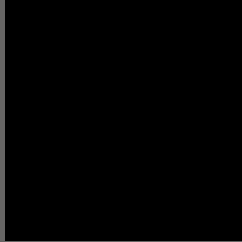
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

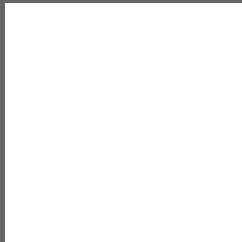
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 0.722, 74.887

Background



This preview shows how black text looks on a background with the CIELCh color 43, 0.722, 74.887.



This preview shows how white text looks on a background with the CIELCh color 43, 0.722, 74.887.

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

43, 0.722, 74.887

Protanopia

43, 1.381, 45.022

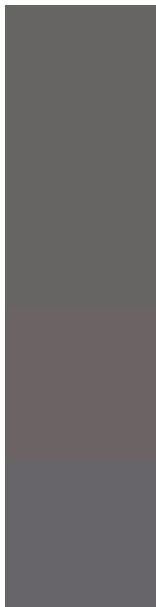
Deuteranopia

43, 5.761, 1.943



Tritanopia
43, 5.108, 309.363

Trichromacy



Original Color

43, 0.722, 74.887

Protanomaly

43, 1.019, 55.187

Deuteranomaly

43, 3.963, 2.226

Tritanomaly

43, 2.556, 309.195

Monochromacy



Original Color

43, 0.722, 74.887

Achromatopsia

43, 0.006, 296.813

Achromatomaly

43, 0.594, 110.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 0.722, 74.887 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, 101, 100)` looks like.

```
.text, #text, p{  
    color:rgb(102, 101, 100)  
}
```

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, 101, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 101, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 0.722, 74.887 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, 101, 100) }
```

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

```
.border{ border-color:rgb(102, 101, 100) }
```

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

Here you see how a box with a 4 pixel rgb(102, 101, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 101, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 101, 100);  
box-shadow:4px 4px 4px 4px rgb(102, 101,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 0.722, 74.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 101, 100) }
```

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

```
.background{ background-color: rgb(102,  
101, 100) }
```

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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