

Converting Colors

CIELCh(42, 3.658, 89.861)

Have a look what the booklet for
CIELCh(42, 3.658, 89.861) contains.

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Color

CIELCh(42, 3.821, 90.065)

Conversions

Conversions Part 1

Format	Color
Hex	66635D
RGB	102, 99, 93
RGB Percent	40%, 39%, 36%
CMY	0.6006, 0.6123, 0.6359
CMYK	0.00, 0.03, 0.09, 0.60
HSL	40°, 5%, 38%
HSV	40°, 9%, 40%
XYZ	11.8803, 12.5000, 12.1091
YIQ	99.2130, 3.7140, -1.2300

Conversions

Conversions Part 2

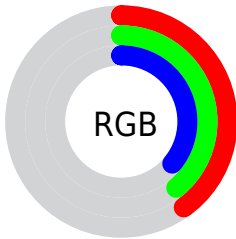
Format	Color
R_{YB}	98, 102, 93
Decimal	6710109
CIE _{Lab}	42.00, -0.00, 3.82
CIE _{LCh}	42, 3.821, 90.065
Yxy	12.5000, 0.3256, 0.3426
Android (android.graphics.Color)	4284900189 (0xFF66635D)
YUV	99.2130, -3.0630, 2.4442
Hunter-Lab	35.3553, -1.8915, 4.4421

Details

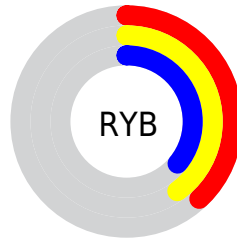
The CIELCh color $42, 3.821, 90.065$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $41, 3.824, 272.253$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 4.074, 92.883$, and $22, 4.116, 95.753$ is the 20% darker color. If you saturate the color by 10%, you get $41, 8.236, 88.908$, and if you desaturate by 10%, it is $43, 0.506, 271.569$.

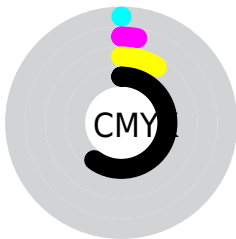
Distribution



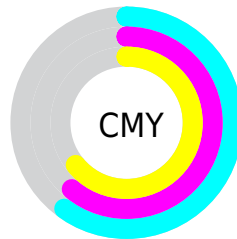
- Red (40%)
- Green (39%)
- Blue (36%)



- Red (38%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (60%)



- Cyan (60%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 3.821, 90.065 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, 3.821, 90.065 by changing the saturation by 10% instead.

■ 42, 3.821, 90.065 ■ 42, 3.821, 90.065

■ 100, 3.821, 90.065 ■ 32, 3.821, 90.065

■ 62, 3.821, 90.065 ■ 22, 3.821, 90.065

■ 72, 3.821, 90.065 ■ 12, 3.821, 90.065

■ 82, 3.821, 90.065 ■ 2, 3.821, 90.065

■ 92, 3.821, 90.065 ■ 0, 3.821, 90.065

■ 42, 3.821, 90.065 ■ 42, 3.821, 90.065

■ 41, 8.236, 88.908 ■ 43, 0.506, 271.569

■ 40, 12.733, 87.682 ■ 45, 4.748, 272.422

■ 38, 17.300, 86.417 ■ 46, 8.909, 273.475

37, 21.904, 85.116

47, 12.993,
274.491

36, 26.484, 83.774

49, 17.007,
275.463

35, 30.927, 82.372

34, 35.033, 80.871

50, 20.956,
276.388

33, 38.490, 79.187

51, 24.844,
277.268

32, 41.699, 77.529

53, 28.677,
278.103

54, 32.459,
278.895

Harmonies

Complementary

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



42, 3.821, 90.065



41, 3.824, 272.253

Rectangle

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



42, 3.821, 90.065



42, 3.821, 140.065



42, 3.821, 270.065



42, 3.821, 320.065

Sweetspot

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



42, 3.822, 90.083



55, 1.599, 90.680



40, 4.223, 354.398



28, 1.204, 90.622



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 3.822, 90.083



54, 5.928, 89.798



43, 5.435, 116.113



21, 2.432, 90.073



36, 45.830, 76.963



73, 79.371, 75.131

Inverse Universe

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



41, 3.824, 272.253



51, 5.923, 272.570



40, 5.539, 297.328



20, 2.433, 272.264



19, 51.895, 295.004



42, 95.818, 297.235

Previews

White Background



This preview shows how the CIELCh color 42, 3.821, 90.065 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, 3.821, 90.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

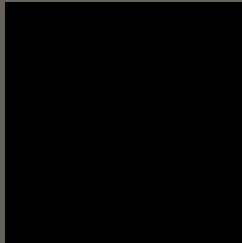
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 3.821, 90.065

Background



This preview shows how black text looks on a background with the CIELCh color 42, 3.821, 90.065.



This preview shows how white text looks on a background with the CIELCh color 42, 3.821, 90.065.

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, 3.821, 90.065

Protanopia

42, 3.821, 90.065

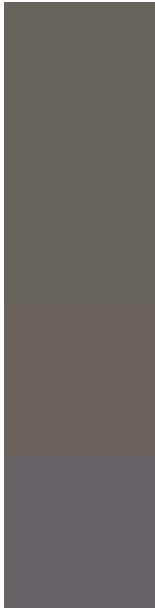
Deuteranopia

42, 6.738, 35.632



Tritanopia
42, 5.654, 321.317

Trichromacy



Original Color

42, 3.821, 90.065

Protanomaly

42, 3.821, 90.065

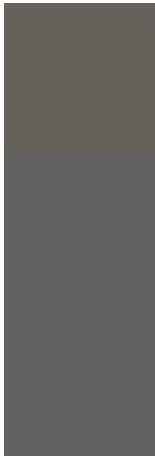
Deuteranomaly

42, 5.313, 46.745

Tritanomaly

42, 2.772, 338.888

Monochromacy



Original Color

42, 3.821, 90.065

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 1.267, 90.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 3.821, 90.065 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, 99, 93)` looks like.

```
.text, #text, p{  
    color:rgb(102, 99, 93)  
}
```

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, 99, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 99, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 3.821, 90.065 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, 99, 93) }
```

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

```
.border{ border-color:rgb(102, 99, 93) }
```

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

Here you see how a box with a 4 pixel rgb(102, 99, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 99, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 99, 93);  
box-shadow:4px 4px 4px 4px rgb(102, 99,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 3.821, 90.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 99, 93) }
```

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

```
.background{ background-color: rgb(102, 99,  
93) }
```

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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