

Converting Colors

CIELCh(42, 7.613, 42.752)

Have a look what the booklet for
CIELCh(42, 7.613, 42.752) contains.

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Color

CIELCh(42, 7.613, 43.339)

Conversions

Conversions Part 1

Format	Color
Hex	70605B
RGB	112, 96, 91
RGB Percent	44%, 38%, 36%
CMY	0.5618, 0.6245, 0.6441
CMYK	0.00, 0.14, 0.19, 0.56
HSL	14°, 10%, 40%
HSV	14°, 19%, 44%
XYZ	12.6879, 12.5000, 11.5865
YIQ	100.2140, 11.1410, 1.8370

Conversions

Conversions Part 2

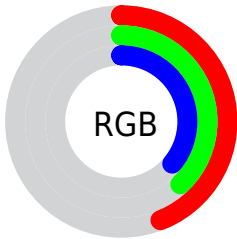
Format	Color
RYB	112, 98, 91
Decimal	7364699
CIELab	42.00, 5.54, 5.22
CIELCh	42, 7.613, 43.339
Yxy	12.5000, 0.3450, 0.3399
Android (android.graphics.Color)	4285554779 (0xFF70605B)
YUV	100.2140, -4.5425, 10.3363
Hunter-Lab	35.3553, 2.1861, 5.3185

Details

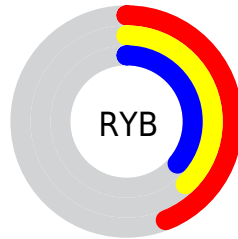
The CIELCh color $42, 7.613, 43.339$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 6.808, 225.003$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 7.732, 41.106$, and $22, 7.757, 45.891$ is the 20% darker color. If you saturate the color by 10%, you get $39, 12.127, 43.172$, and if you desaturate by 10%, it is $45, 3.426, 43.583$.

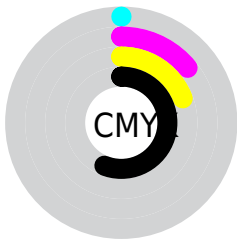
Distribution



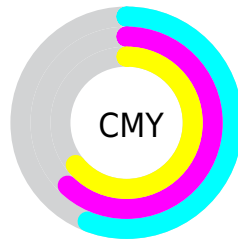
- Red (44%)
- Green (38%)
- Blue (36%)



- Red (44%)
- Yellow (38%)
- Blue (36%)



- Cyan (0%)
- Magenta (14%)
- Yellow (19%)
- Black (56%)



- Cyan (56%)
- Magenta (62%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 7.613, 43.339 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, 7.613, 43.339 by changing the saturation by 10% instead.

■ 42, 7.613, 43.339 ■ 42, 7.613, 43.339

■ 100, 7.613, 43.339 ■ 32, 7.613, 43.339

■ 62, 7.613, 43.339 ■ 22, 7.613, 43.339

■ 72, 7.613, 43.339 ■ 12, 7.613, 43.339

■ 82, 7.613, 43.339 ■ 2, 7.613, 43.339

■ 92, 7.613, 43.339 ■ 0, 7.613, 43.339

■ 42, 7.613, 43.339 ■ 42, 7.613, 43.339

■ 39, 12.127, 43.172 ■ 45, 3.426, 43.583

■ 37, 16.992, 43.102 ■ 47, 0.460, 224.798

■ 34, 22.214, 43.173 ■ 50, 4.075, 224.538

■ 32, 27.780, 43.407

■ 53, 7.448, 224.945

■ 30, 33.633, 43.807

■ 56, 10.607,
225.400

■ 28, 39.633, 44.322

■ 59, 13.577,
225.875

■ 26, 45.449, 44.756

■ 24, 50.226, 44.540

■ 62, 16.381,
226.360

■ 24, 50.780, 44.553

■ 64, 19.038,
226.848

■ 67, 21.567,
227.332

Harmonies

Complementary

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



42, 7.613, 43.339



44, 6.808, 225.003

Rectangle

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



42, 7.613, 43.339



42, 7.613, 93.339



42, 7.613, 223.339



42, 7.613, 273.339

Sweetspot

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



42, 7.612, 43.351



58, 2.875, 43.627



41, 13.034, 332.864



30, 1.925, 43.621



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, 7.612, 43.351



53, 11.783, 43.253



45, 9.453, 93.933



22, 2.203, 43.579



26, 54.017, 44.830



55, 95.944, 44.301

Inverse Universe

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



44, 6.808, 225.003



56, 10.206, 225.337



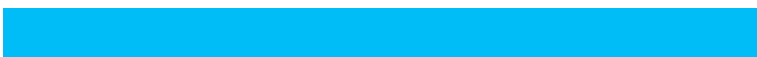
41, 9.540, 278.492



23, 2.095, 224.489



36, 25.650, 241.923



71, 44.353, 244.691

Previews

White Background



This preview shows how the CIELCh color 42, 7.613, 43.339 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 42, 7.613, 43.339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

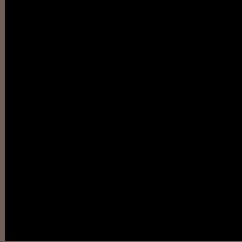
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 7.613, 43.339

Background



This preview shows how black text looks on a background with the CIELCh color 42, 7.613, 43.339.



This preview shows how white text looks on a background with the CIELCh color 42, 7.613, 43.339.

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, 7.613, 43.339

Protanopia

42, 4.538, 87.333

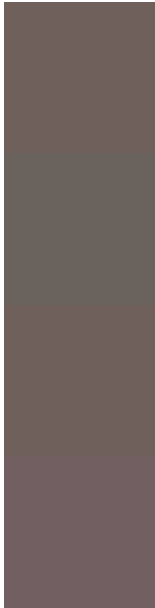
Deuteranopia

42, 7.613, 43.339



Tritanopia
42, 9.044, 352.903

Trichromacy



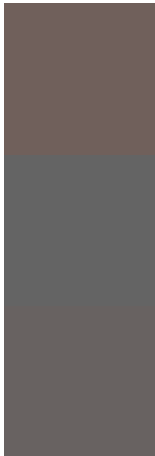
Original Color
42, 7.613, 43.339

Protanomaly
42, 4.987, 65.904

Deuteranomaly
42, 7.613, 43.339

Tritanomaly
42, 7.781, 11.562

Monochromacy



Original Color
42, 7.613, 43.339

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 2.597, 32.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 7.613, 43.339 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(112, 96, 91)` looks like.

```
.text, #text, p{  
    color:rgb(112, 96, 91)  
}
```

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(112, 96, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 96, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 7.613, 43.339 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(112, 96, 91) }
```

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

```
.border{ border-color:rgb(112, 96, 91) }
```

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

Here you see how a box with a 4 pixel rgb(112, 96, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 96, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 96, 91);  
box-shadow:4px 4px 4px 4px rgb(112, 96,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 7.613, 43.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 96, 91) }
```

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

```
.background{ background-color: rgb(112, 96,  
91) }
```

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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