

Converting Colors

CIELCh(42, 10.562, 305.647)

Have a look what the booklet for
CIELCh(42, 10.562, 305.647)
contains.

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Color

CIELCh(42, 10.705, 306.652)

Conversions

Conversions Part 1

Format	Color
Hex	676071
RGB	103, 96, 113
RGB Percent	40%, 38%, 44%
CMY	0.5952, 0.6227, 0.5560
CMYK	0.09, 0.15, 0.00, 0.56
HSL	265°, 8%, 41%
HSV	265°, 15%, 44%
XYZ	12.8154, 12.5000, 17.4269
YIQ	100.0310, -1.2850, 6.7710

Conversions

Conversions Part 2

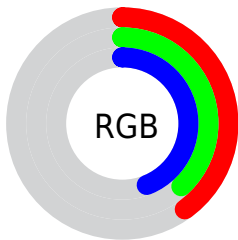
Format	Color
RYB	103, 96, 113
Decimal	6774897
CIELab	42.00, 6.39, -8.59
CIELCh	42, 10.705, 306.652
Yxy	12.5000, 0.2998, 0.2925
Android (android.graphics.Color)	4284964977 (0xFF676071)
YUV	100.0310, 6.3937, 2.6038
Hunter-Lab	35.3553, 2.8300, -4.4757

Details


The CIELCh color $42, 10.705, 306.652$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 10.458, 125.237$, and the grayscale version is $42, 0.006, 296.813$.


A 20% lighter version of the original color is $62, 11.137, 306.818$, and $22, 10.464, 306.586$ is the 20% darker color. If you saturate the color by 10%, you get $38, 18.093, 307.202$, and if you desaturate by 10%, it is $46, 3.526, 306.142$.

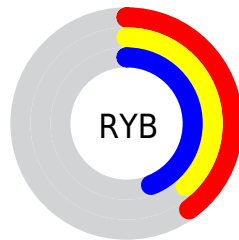
Distribution



 Red (40%)


 Green (38%)

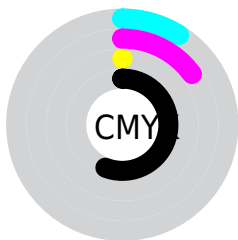
 Blue (44%)





 Red (40%)

 Yellow (38%)

 Blue (44%)

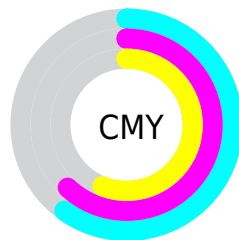



 Cyan (9%)

 Magenta (15%)

 Yellow (0%)

 Black (56%)



 Cyan (60%)


 Magenta (62%)


 Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 10.705, 306.652 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, 10.705, 306.652 by changing the saturation by 10% instead.


 42, 10.705,
306.652


 42, 10.705,
306.652


 100, 10.705,
306.652


 32, 10.705,
306.652

 62, 10.705,
306.652


 22, 10.705,
306.652

 72, 10.705,
306.652

 12, 10.705,
306.652


 82, 10.705,
306.652

 2, 10.705, 306.652

 92, 10.705,
306.652

 0, 10.705, 306.652

 42, 10.705,

 42, 10.705,

306.652

■ 38, 18.093,
307.202

■ 34, 25.671,
307.798

■ 31, 33.382,
308.428

■ 27, 41.122,
309.064

■ 24, 48.706,
309.663

■ 20, 55.825,
310.155

■ 18, 62.025,
310.439

■ 15, 66.951,
310.457

306.652

■ 46, 3.526, 306.142

■ 50, 3.433, 125.730

■ 53, 10.175,
125.324

■ 57, 16.706,
124.974

■ 61, 23.036,
124.669

■ 65, 29.174,
124.404

■ 68, 35.132,
124.174

■ 72, 40.919,
123.976

■ 14, 69.486,
310.558

■ 76, 46.546,
123.805

Harmonies

Complementary

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



42, 10.705, 306.652



47, 10.458, 125.237

Rectangle

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



42, 10.705, 306.652



42, 10.705, 356.652



42, 10.705, 126.652



42, 10.705, 176.652

Sweetspot

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



42, 10.704, 306.650



59, 4.374, 306.147



44, 5.624, 245.609



30, 2.967, 306.174



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, 10.704, 306.650



53, 16.051, 306.836



43, 12.004, 322.393



21, 3.943, 306.340



16, 72.417, 310.490



37, 124.504, 309.885

Inverse Universe

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



43, 9.277, 340.270



54, 13.876, 340.550



46, 11.958, 140.963



22, 3.430, 339.791



25, 50.079, 352.604



54, 84.713, 354.574

Previews

White Background



This preview shows how the CIELCh color 42, 10.705, 306.652 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, 10.705, 306.652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

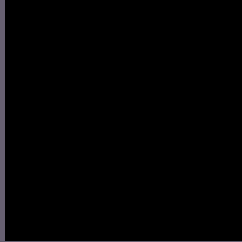
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 10.705, 306.652

Background



This preview shows how black text looks on a background with the CIELCh color 42, 10.705, 306.652.



This preview shows how white text looks on a background with the CIELCh color 42, 10.705, 306.652.

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, 10.705, 306.652

Protanopia

42, 10.297, 287.390

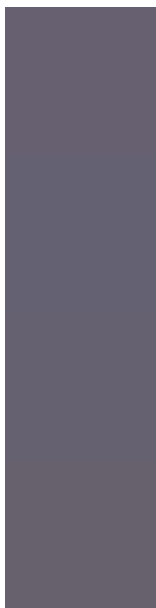
Deuteranopia

42, 9.914, 303.069



Tritanopia
42, 4.558, 311.767

Trichromacy



Original Color
42, 10.705, 306.652

Protanomaly
42, 10.340, 296.021

Deuteranomaly
42, 9.914, 303.069

Tritanomaly
42, 6.986, 307.907

Monochromacy



Original Color
42, 10.705, 306.652

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 3.728, 303.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 10.705, 306.652 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(103, 96, 113)` looks like.

```
.text, #text, p{  
    color:rgb(103, 96, 113)  
}
```

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(103, 96, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 96, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 10.705, 306.652 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(103, 96, 113) }
```

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

```
.border{ border-color:rgb(103, 96, 113) }
```

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

Here you see how a box with a 4 pixel rgb(103, 96, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 96, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 96, 113);  
box-shadow:4px 4px 4px 4px rgb(103, 96,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 10.705, 306.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 96, 113) }
```

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

```
.background{ background-color: rgb(103, 96,  
113) }
```

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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