

Converting Colors

CIELCh(42, 47.781, 302.198)

Have a look what the booklet for
CIELCh(42, 47.781, 302.198)
contains.

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Color

CIELCh(42, 47.974, 302.427)

Conversions

Conversions Part 1

Format	Color
Hex	6757A6
RGB	103, 87, 166
RGB Percent	40%, 34%, 65%
CMY	0.5953, 0.6581, 0.3482
CMYK	0.38, 0.48, 0.00, 0.35
HSL	252°, 31%, 50%
HSV	252°, 48%, 65%
XYZ	15.9388, 12.5000, 37.7433
YIQ	100.7900, -15.8230, 27.9610

Conversions

Conversions Part 2

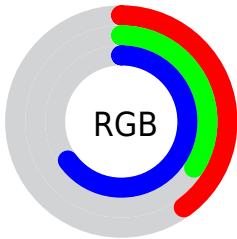
Format	Color
R_{YB}	103, 87, 166
Decimal	6772646
CIE _{Lab}	42.00, 25.72, -40.49
CIE _{LCh}	42, 47.974, 302.427
Yxy	12.5000, 0.2408, 0.1889
Android (android.graphics.Color)	4284962726 (0xFF6757A6)
YUV	100.7900, 32.1485, 1.9382
Hunter-Lab	35.3553, 18.5991, -38.5459

Details

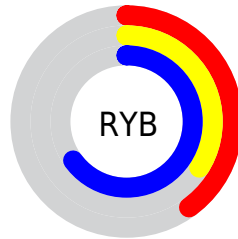
The CIELCh color $42, 47.974, 302.427$ is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be $65, 42.792, 114.976$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 48.271, 302.491$, and $22, 47.834, 302.631$ is the 20% darker color. If you saturate the color by 10%, you get $37, 58.902, 303.640$, and if you desaturate by 10%, it is $47, 37.236, 301.301$.

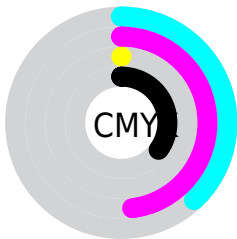
Distribution



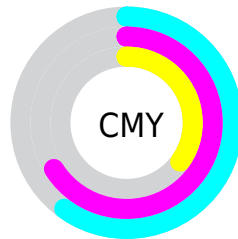
- Red (40%)
- Green (34%)
- Blue (65%)



- Red (40%)
- Yellow (34%)
- Blue (65%)



- Cyan (38%)
- Magenta (48%)
- Yellow (0%)
- Black (35%)



- Cyan (60%)
- Magenta (66%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 47.974, 302.427 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, 47.974, 302.427 by changing the saturation by 10% instead.

■ 42, 47.974,
302.427

■ 42, 47.974,
302.427

■ 100, 47.974,
302.427

■ 32, 47.974,
302.427

■ 62, 47.974,
302.427

■ 22, 47.974,
302.427

■ 72, 47.974,
302.427

■ 12, 47.974,
302.427

■ 82, 47.974,
302.427

■ 2, 47.974, 302.427

■ 92, 47.974,
302.427

■ 0, 47.974, 302.427

■ 42, 47.974,

■ 42, 47.974,

302.427

■ 37, 58.902,
303.640

■ 32, 69.726,
304.872

■ 27, 79.859,
305.999

■ 24, 88.327,
306.828

■ 21, 94.216,
307.219

■ 20, 95.553,
307.335

302.427

■ 47, 37.236,
301.301

■ 53, 26.818,
300.287

■ 59, 16.765,
299.394

■ 64, 7.080, 298.614

■ 70, 2.249, 117.946

■ 75, 11.239,
117.360

■ 80, 19.912,
116.858

■ 86, 28.288,
116.425

■ 91, 36.386,
116.053

Harmonies

Complementary

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



42, 47.974, 302.427



65, 42.792, 114.976

Rectangle

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



42, 47.974, 302.427



42, 47.974, 352.427



42, 47.974, 122.427



42, 47.974, 172.427

Sweetspot

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



42, 47.973, 302.427



77, 16.502, 299.126



59, 21.639, 222.491



40, 11.529, 299.295



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 47.973, 302.427



48, 72.462, 303.703



46, 49.952, 317.700



33, 5.381, 298.743



18, 87.623, 307.403



1, 9.643, 297.006

Inverse Universe

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



48, 45.887, 333.734



58, 66.552, 334.498



63, 48.279, 133.367



33, 5.585, 331.162



33, 65.969, 338.108



2, 9.689, 332.885

Previews

White Background



This preview shows how the CIELCh color 42, 47.974, 302.427 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, 47.974, 302.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

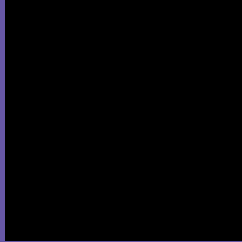
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 47.974, 302.427

Background



This preview shows how black text looks on a background with the CIELCh color 42, 47.974, 302.427.



This preview shows how white text looks on a background with the CIELCh color 42, 47.974, 302.427.

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

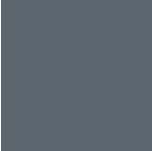
42, 47.974, 302.427

Protanopia

42, 47.221, 286.126

Deuteranopia

42, 38.867, 278.863



Tritanopia
42, 6.378, 248.519

Trichromacy



Original Color
42, 47.974, 302.427

Protanomaly
42, 47.622, 291.779

Deuteranomaly
42, 41.790, 287.880

Tritanomaly
42, 20.581, 292.153

Monochromacy



Original Color
42, 47.974, 302.427

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 17.734, 299.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 47.974, 302.427 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, 87, 166)` looks like.

```
.text, #text, p{  
    color:rgb(103, 87, 166)  
}
```

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, 87, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 87, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 47.974, 302.427 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, 87, 166) }
```

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

```
.border{ border-color:rgb(103, 87, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 87, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 87, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 87, 166);  
box-shadow:4px 4px 4px 4px rgb(103, 87,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 47.974, 302.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 87, 166) }
```

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

```
.background{ background-color: rgb(103, 87,  
166) }
```

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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