

Converting Colors

CIELCh(42, 36.747, 311.112)

Have a look what the booklet for
CIELCh(42, 36.747, 311.112)
contains.

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Color

CIELCh(42, 36.536, 311.012)

Conversions

Conversions Part 1

Format	Color
Hex	745791
RGB	116, 87, 145
RGB Percent	45%, 34%, 57%
CMY	0.5462, 0.6599, 0.4325
CMYK	0.20, 0.40, 0.00, 0.43
HSL	270°, 25%, 45%
HSV	270°, 40%, 57%
XYZ	15.6374, 12.5000, 28.2557
YIQ	102.2830, -1.3340, 24.1860

Conversions

Conversions Part 2

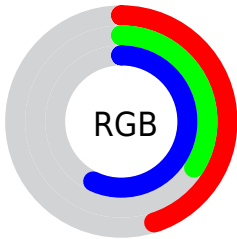
Format	Color
R_{YB}	116, 87, 145
Decimal	7624593
CIE _{Lab}	42.00, 23.98, -27.57
CIE _{LCh}	42, 36.536, 311.012
Yxy	12.5000, 0.2773, 0.2217
Android (android.graphics.Color)	4285814673 (0xFF745791)
YUV	102.2830, 21.0595, 12.0298
Hunter-Lab	35.3553, 17.0772, -22.6353

Details

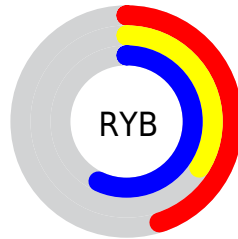
The CIELCh color $42, 36.536, 311.012$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 34.546, 127.240$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 36.640, 311.115$, and $22, 36.269, 310.868$ is the 20% darker color. If you saturate the color by 10%, you get $38, 45.938, 311.535$, and if you desaturate by 10%, it is $46, 27.143, 310.483$.

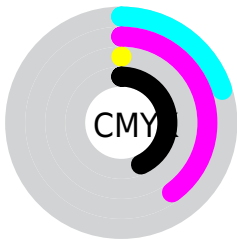
Distribution



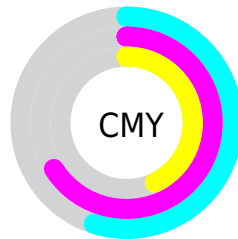
- Red (45%)
- Green (34%)
- Blue (57%)



- Red (45%)
- Yellow (34%)
- Blue (57%)



- Cyan (20%)
- Magenta (40%)
- Yellow (0%)
- Black (43%)





- Cyan (55%)
- Magenta (66%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 36.536, 311.012 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, 36.536, 311.012 by changing the saturation by 10% instead.


 42, 36.536,
311.012


 42, 36.536,
311.012


 100, 36.536,
311.012


 32, 36.536,
311.012

 62, 36.536,
311.012


 22, 36.536,
311.012

 72, 36.536,
311.012

 12, 36.536,
311.012

 82, 36.536,
311.012

 2, 36.536, 311.012

 92, 36.536,
311.012

 0, 36.536, 311.012

 42, 36.536,

 42, 36.536,

311.012

■ 38, 45.938,
311.535

■ 34, 55.134,
312.013

■ 30, 63.769,
312.384

■ 27, 71.341,
312.564

■ 24, 77.241,
312.446

■ 22, 81.650,
312.116

311.012

■ 46, 27.143,
310.483

■ 51, 17.894,
309.974

■ 55, 8.856, 309.493

■ 60, 0.064, 307.605

■ 65, 8.470, 128.687

■ 69, 16.743,
128.332

■ 74, 24.763,
128.020

■ 78, 32.539,
127.746

■ 83, 40.083,

Harmonies

Complementary

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



42, 36.536, 311.012



57, 34.546, 127.240

Rectangle

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



42, 36.536, 311.012



42, 36.536, 1.012



42, 36.536, 131.012



42, 36.536, 181.012

Sweetspot

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



42, 36.535, 311.012



70, 13.150, 309.596



48, 18.950, 260.177



36, 8.708, 309.649



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



42, 36.535, 311.012



50, 54.670, 311.481



45, 39.892, 326.034



28, 4.908, 309.452



20, 77.644, 312.186



0, 3.276, 309.063

Inverse Universe

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



44, 28.850, 347.495



54, 42.624, 348.667



55, 39.915, 141.145



28, 3.951, 344.340



28, 52.995, 0.798



1, 2.640, 343.643

Previews

White Background



This preview shows how the CIELCh color 42, 36.536, 311.012 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, 36.536, 311.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

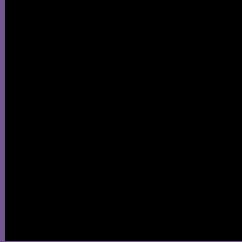
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 36.536, 311.012

Background



This preview shows how black text looks on a background with the CIELCh color 42, 36.536, 311.012.



This preview shows how white text looks on a background with the CIELCh color 42, 36.536, 311.012.

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, 36.536, 311.012

Protanopia
42, 34.582, 285.930

Deuteranopia
42, 26.825, 283.411



Tritanopia
42, 6.881, 342.513

Trichromacy



Original Color
42, 36.536, 311.012

Protanomaly
42, 35.082, 294.589

Deuteranomaly
42, 29.668, 295.036

Tritanomaly
42, 16.765, 317.219

Monochromacy



Original Color
42, 36.536, 311.012

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 14.035, 309.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 36.536, 311.012 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(116, 87, 145)` looks like.

```
.text, #text, p{  
    color:rgb(116, 87, 145)  
}
```

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(116, 87, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 87, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 36.536, 311.012 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(116, 87, 145) }
```

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

```
.border{ border-color:rgb(116, 87, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 87, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 87, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 87, 145);  
box-shadow:4px 4px 4px 4px rgb(116, 87,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 36.536, 311.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 87, 145) }
```

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

```
.background{ background-color: rgb(116, 87,  
145) }
```

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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