

Converting Colors

CIELCh(42, 15.903, 304.227)

Have a look what the booklet for
CIELCh(42, 15.903, 304.227)
contains.

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Color

CIELCh(42, 16.180, 304.731)

Conversions

Conversions Part 1

Format	Color
Hex	685F79
RGB	104, 95, 121
RGB Percent	41%, 37%, 47%
CMY	0.5923, 0.6276, 0.5256
CMYK	0.14, 0.21, 0.00, 0.53
HSL	261°, 12%, 42%
HSV	261°, 21%, 47%
XYZ	13.2442, 12.5000, 19.7938
YIQ	100.6550, -2.9820, 9.9940

Conversions

Conversions Part 2

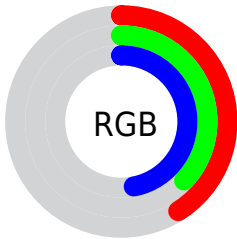
Format	Color
R_{YB}	104, 95, 121
Decimal	6840185
CIE _{Lab}	42.00, 9.22, -13.30
CIE _{LCh}	42, 16.180, 304.731
Yxy	12.5000, 0.2908, 0.2745
Android (android.graphics.Color)	4285030265 (0xFF685F79)
YUV	100.6550, 10.0301, 2.9336
Hunter-Lab	35.3553, 4.9945, -8.4449

Details

The CIELCh color $42, 16.180, 304.731$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $49, 15.586, 122.419$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 16.226, 304.824$, and $22, 15.873, 305.341$ is the 20% darker color. If you saturate the color by 10%, you get $38, 24.079, 305.398$, and if you desaturate by 10%, it is $46, 8.513, 304.127$.

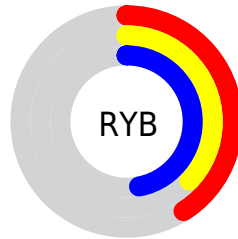
Distribution



Red (41%)

Green (37%)

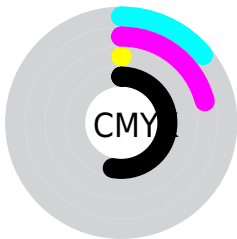
Blue (47%)



Red (41%)

Yellow (37%)

Blue (47%)

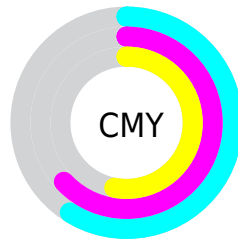


Cyan (14%)

Magenta (21%)

Yellow (0%)

Black (53%)



Cyan (59%)


Magenta (63%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 16.180, 304.731 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, 16.180, 304.731 by changing the saturation by 10% instead.


 42, 16.180,
304.731


 42, 16.180,
304.731


 100, 16.180,
304.731


 32, 16.180,
304.731

 62, 16.180,
304.731


 22, 16.180,
304.731

 72, 16.180,
304.731


 12, 16.180,
304.731


 82, 16.180,
304.731

 2, 16.180, 304.731

 92, 16.180,
304.731

 0, 16.180, 304.731

 42, 16.180,

 42, 16.180,

304.731

■ 38, 24.079,
305.398

■ 34, 32.181,
306.124

■ 30, 40.409,
306.890

■ 26, 48.612,
307.659

■ 23, 56.516,
308.366

■ 19, 63.671,
308.908

■ 17, 69.451,
309.149

■ 15, 73.849,
309.346

304.731

■ 46, 8.513, 304.127

■ 50, 1.092, 303.556

■ 54, 6.087, 123.133

■ 58, 13.031,
122.716

■ 62, 19.752,
122.355

■ 66, 26.260,
122.041

■ 70, 32.569,
121.770

■ 74, 38.690,
121.537

■ 78, 44.635,

Harmonies

Complementary

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



42, 16.180, 304.731



49, 15.586, 122.419

Rectangle

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



42, 16.180, 304.731



42, 16.180, 354.731



42, 16.180, 124.731



42, 16.180, 174.731

Sweetspot

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



42, 16.179, 304.730



62, 5.489, 303.828



46, 8.211, 237.814



32, 3.623, 303.855



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 16.179, 304.730



52, 24.568, 305.067



43, 17.864, 320.726



24, 4.197, 303.990



15, 75.616, 309.312



36, 128.109, 308.788

Inverse Universe

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



43, 14.726, 337.721



54, 22.215, 338.125



48, 17.722, 138.744



24, 3.866, 336.791



27, 53.279, 347.531



56, 88.784, 348.959

Previews

White Background



This preview shows how the CIELCh color 42, 16.180, 304.731 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, 16.180, 304.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

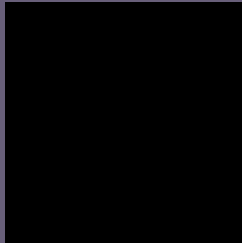
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 16.180, 304.731

Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.180, 304.731.



This preview shows how white text looks on a background with the CIELCh color 42, 16.180, 304.731.

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, 16.180, 304.731

Protanopia

42, 15.181, 285.383

Deuteranopia

42, 14.538, 293.782



Tritanopia
42, 4.425, 306.821

Trichromacy



Original Color
42, 16.180, 304.731

Protanomaly
42, 15.131, 292.381

Deuteranomaly
42, 15.251, 298.089

Tritanomaly
42, 8.735, 304.580

Monochromacy



Original Color
42, 16.180, 304.731

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 5.585, 303.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 16.180, 304.731 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(104, 95, 121)` looks like.

```
.text, #text, p{  
    color:rgb(104, 95, 121)  
}
```

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(104, 95, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 95, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 16.180, 304.731 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(104, 95, 121) }
```

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

```
.border{ border-color:rgb(104, 95, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 95, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 95, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 95, 121);  
box-shadow:4px 4px 4px 4px rgb(104, 95,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 16.180, 304.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 95, 121) }
```

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

```
.background{ background-color: rgb(104, 95,  
121) }
```

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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