

Converting Colors

CIELCh(42, 42.678, 105.031)

Have a look what the booklet for
CIELCh(42, 42.678, 105.031)
contains.

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Color

CIELCh(42, 42.610, 105.180)

Conversions

Conversions Part 1

Format	Color
Hex	656719
RGB	101, 103, 25
RGB Percent	40%, 40%, 10%
CMY	0.6045, 0.5966, 0.9025
CMYK	0.02, 0.00, 0.76, 0.60
HSL	62°, 61%, 25%
HSV	62°, 76%, 40%
XYZ	10.3601, 12.5000, 2.7778
YIQ	93.5100, 23.8460, -24.6820

Conversions

Conversions Part 2

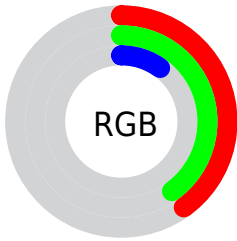
Format	Color
R_{YB}	25, 103, 27
Decimal	6645529
CIE Lab	42.00, -11.16, 41.12
CIE LCh	42, 42.610, 105.180
Yxy	12.5000, 0.4041, 0.4876
Android (android.graphics.Color)	4284835609 (0xFF656719)
YUV	93.5100, -33.7754, 6.5687
Hunter-Lab	35.3553, -9.5665, 20.0904

Details

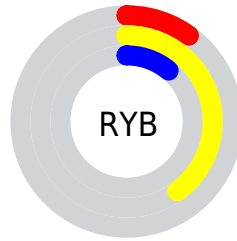
The CIELCh color **42, 42.610, 105.180** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **15, 53.469, 302.442**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 42.538, 105.433**, and **22, 31.946, 107.263** is the 20% darker color. If you saturate the color by 10%, you get **42, 46.106, 104.756**, and if you desaturate by 10%, it is **42, 38.197, 105.766**.

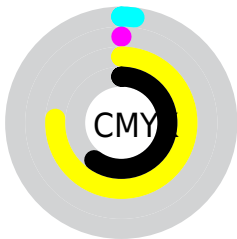
Distribution



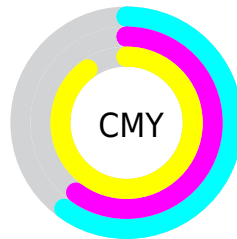
- Red (40%)
- Green (40%)
- Blue (10%)



- Red (10%)
- Yellow (40%)
- Blue (11%)



- Cyan (2%)
- Magenta (0%)
- Yellow (76%)
- Black (60%)





- Cyan (60%)
- Magenta (60%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 42.610, 105.180 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, 42.610, 105.180 by changing the saturation by 10% instead.


 42, 42.610,
105.180


 42, 42.610,
105.180


 100, 42.610,
105.180


 32, 42.610,
105.180

 62, 42.610,
105.180


 22, 42.610,
105.180

 72, 42.610,
105.180

 12, 42.610,
105.180

 82, 42.610,
105.180

 2, 42.610, 105.180

 92, 42.610,
105.180

 0, 42.610, 105.180

 42, 42.610,

 42, 42.610,

105.180

■ 42, 46.106,
104.756

■ 42, 48.684,
104.482

■ 42, 49.772,
104.364

105.180

■ 42, 38.197,
105.766

■ 42, 33.123,
106.468

■ 42, 27.605,
107.251

■ 43, 21.801,
108.086

■ 43, 15.821,
108.948

■ 43, 9.736, 109.820

■ 43, 3.594, 110.683

■ 44, 2.572, 291.560

■ 44, 8.740, 292.382

Harmonies

Complementary

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



42, 42.610, 105.180



15, 53.469, 302.442

Rectangle

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



42, 42.610, 105.180



42, 42.610, 155.180



42, 42.610, 285.180



42, 42.610, 335.180

Sweetspot

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



42, 42.610, 105.182



55, 17.366, 109.140



23, 39.879, 31.550



28, 11.908, 108.912



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 42.610, 105.182



53, 57.566, 104.557



39, 46.811, 126.884



21, 3.431, 110.421



46, 53.783, 104.383



92, 93.275, 104.476

Inverse Universe

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



15, 53.469, 302.442



16, 77.201, 305.286



19, 51.858, 312.924



19, 3.500, 292.014



11, 74.060, 306.421



31, 128.603, 306.341

Previews

White Background



This preview shows how the CIELCh color 42, 42.610, 105.180 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, 42.610, 105.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

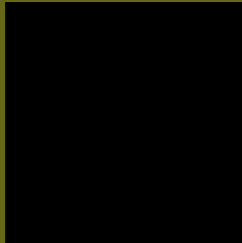
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 42.610, 105.180

Background



This preview shows how black text looks on a background with the CIELCh color 42, 42.610, 105.180.



This preview shows how white text looks on a background with the CIELCh color 42, 42.610, 105.180.

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, 42.610, 105.180

Protanopia

42, 41.805, 95.661

Deuteranopia

42, 40.363, 82.418



Tritanopia
42, 6.557, 340.193

Trichromacy



Original Color
42, 42.610, 105.180

Protanomaly
42, 41.896, 99.109

Deuteranomaly
42, 40.518, 90.554

Tritanomaly
42, 14.181, 95.108

Monochromacy



Original Color
42, 42.610, 105.180

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 17.405, 108.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 42.610, 105.180 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(101, 103, 25)` looks like.

```
.text, #text, p{  
    color:rgb(101, 103, 25)  
}
```

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(101, 103, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 103, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 42.610, 105.180 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(101, 103, 25) }
```

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

```
.border{ border-color:rgb(101, 103, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 103, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 103, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 103, 25);  
box-shadow:4px 4px 4px 4px rgb(101, 103,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 42.610, 105.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 103, 25) }
```

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

```
.background{ background-color: rgb(101,  
103, 25) }
```

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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