

Converting Colors

CIELCh(42, 35.143, 105.688)

Have a look what the booklet for
CIELCh(42, 35.143, 105.688)
contains.

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Color

CIELCh(42, 34.954, 105.730)

Conversions

Conversions Part 1

Format	Color
Hex	656629
RGB	101, 102, 41
RGB Percent	40%, 40%, 16%
CMY	0.6028, 0.5989, 0.8382
CMYK	0.01, 0.00, 0.60, 0.60
HSL	61°, 43%, 28%
HSV	61°, 60%, 40%
XYZ	10.5804, 12.5000, 3.9764
YIQ	94.7470, 18.9850, -19.1830

Conversions

Conversions Part 2

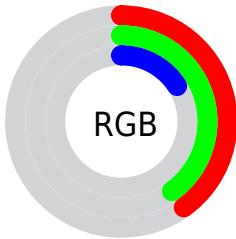
Format	Color
RYB	41, 102, 42
Decimal	6645289
CIELab	42.00, -9.48, 33.64
CIELCh	42, 34.954, 105.730
Yxy	12.5000, 0.3910, 0.4620
Android (android.graphics.Color)	4284835369 (0xFF656629)
YUV	94.7470, -26.4973, 5.4839
Hunter-Lab	35.3553, -8.4541, 18.0804

Details

The CIELCh color **42, 34.954, 105.730** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **20, 41.098, 299.084**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 34.976, 105.544**, and **22, 31.416, 106.398** is the 20% darker color. If you saturate the color by 10%, you get **42, 39.783, 105.054**, and if you desaturate by 10%, it is **42, 29.609, 106.503**.

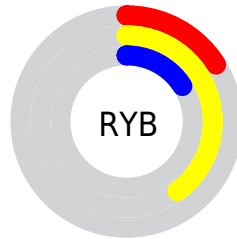
Distribution



Red (40%)

Green (40%)

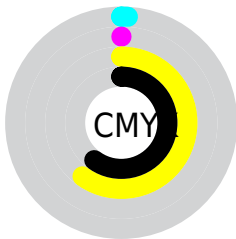
Blue (16%)



Red (16%)

Yellow (40%)

Blue (16%)

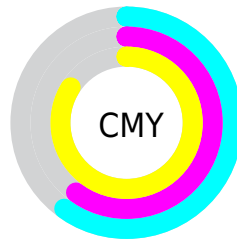


Cyan (1%)

Magenta (0%)

Yellow (60%)

Black (60%)



Cyan (60%)


Magenta (60%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 34.954, 105.730 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, 34.954, 105.730 by changing the saturation by 10% instead.


 42, 34.954,
105.730


 42, 34.954,
105.730


 100, 34.954,
105.730


 32, 34.954,
105.730

 62, 34.954,
105.730


 22, 34.954,
105.730

 72, 34.954,
105.730

 12, 34.954,
105.730

 82, 34.954,
105.730

 2, 34.954, 105.730

 92, 34.954,
105.730

 0, 34.954, 105.730

 42, 34.954,

 42, 34.954,

105.730

■ 42, 39.783,
105.054

■ 42, 43.861,
104.503

■ 42, 46.930,
104.118

■ 42, 49.464,
103.817

■ 42, 49.556,
103.806

105.730

■ 42, 29.609,
106.503

■ 42, 23.926,
107.335

■ 43, 18.031,
108.202

■ 43, 12.008,
109.085

■ 43, 5.913, 109.968

■ 43, 0.216, 291.014

■ 44, 6.355, 291.709

■ 44, 12.486,
292.534

■ 44, 18.598,

Harmonies

Complementary

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



42, 34.954, 105.730



20, 41.098, 299.084

Rectangle

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



42, 34.954, 105.730



42, 34.954, 155.730



42, 34.954, 285.730



42, 34.954, 335.730

Sweetspot

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



42, 34.955, 105.732



55, 13.616, 109.187



26, 30.703, 26.471



28, 9.378, 108.998



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, 34.955, 105.732



54, 50.169, 104.794



40, 37.896, 126.548



21, 3.430, 110.032



47, 53.766, 103.818



93, 93.244, 103.877

Inverse Universe

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



20, 41.098, 299.084



22, 62.513, 301.945



23, 41.212, 311.902



19, 3.499, 291.653



11, 74.120, 306.372



31, 128.645, 306.321

Previews

White Background



This preview shows how the CIELCh color 42, 34.954, 105.730 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, 34.954, 105.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

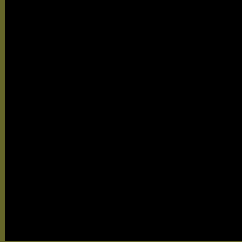
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 34.954, 105.730

Background



This preview shows how black text looks on a background with the CIELCh color 42, 34.954, 105.730.



This preview shows how white text looks on a background with the CIELCh color 42, 34.954, 105.730.

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

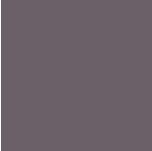
42, 34.954, 105.730

Protanopia

42, 34.511, 95.986

Deuteranopia

42, 33.146, 79.924



Tritanopia
42, 6.245, 337.648

Trichromacy



Original Color
42, 34.954, 105.730

Protanomaly
42, 34.698, 99.285

Deuteranomaly
42, 32.876, 89.693

Tritanomaly
42, 10.697, 91.643

Monochromacy



Original Color
42, 34.954, 105.730

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 13.829, 109.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 34.954, 105.730 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, 102, 41)` looks like.

```
.text, #text, p{  
    color:rgb(101, 102, 41)  
}
```

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, 102, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 102, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 34.954, 105.730 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, 102, 41) }
```

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

```
.border{ border-color:rgb(101, 102, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 102, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 102, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 102, 41);  
box-shadow:4px 4px 4px 4px rgb(101, 102,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 34.954, 105.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 102, 41) }
```

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

```
.background{ background-color: rgb(101,  
102, 41) }
```

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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