

Converting Colors

CIELCh(42, 34.662, 104.117)

Have a look what the booklet for
CIELCh(42, 34.662, 104.117)
contains.

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Color

CIELCh(42, 34.958, 104.146)

Conversions

Conversions Part 1

Format	Color
Hex	676629
RGB	103, 102, 41
RGB Percent	40%, 40%, 16%
CMY	0.5968, 0.6007, 0.8399
CMYK	0.00, 0.01, 0.60, 0.60
HSL	59°, 43%, 28%
HSV	59°, 60%, 40%
XYZ	10.7040, 12.5000, 3.9311
YIQ	95.3450, 20.1770, -18.7590

Conversions

Conversions Part 2

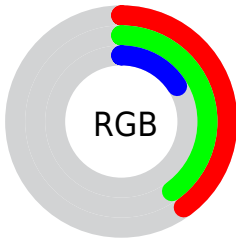
Format	Color
R_{YB}	42, 103, 41
Decimal	6776361
CIE _{Lab}	42.00, -8.54, 33.90
CIE _{LCh}	42, 34.958, 104.146
Yxy	12.5000, 0.3945, 0.4607
Android (android.graphics.Color)	4284966441 (0xFF676629)
YUV	95.3450, -26.7921, 6.7134
Hunter-Lab	35.3553, -7.8302, 18.1564

Details

The CIELCh color **42, 34.958, 104.146** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **20, 41.059, 298.319**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 35.001, 104.109**, and **22, 31.391, 104.383** is the 20% darker color. If you saturate the color by 10%, you get **42, 39.728, 103.410**, and if you desaturate by 10%, it is **42, 29.669, 104.970**.

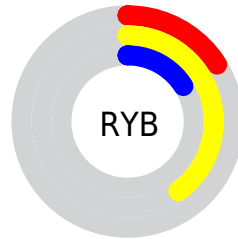
Distribution



Red (40%)

Green (40%)

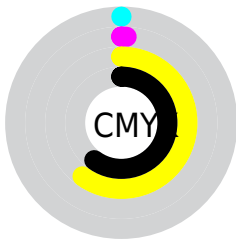
Blue (16%)



Red (16%)

Yellow (40%)

Blue (16%)

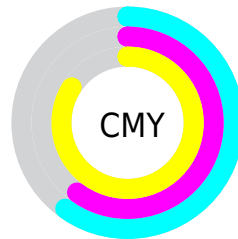


Cyan (0%)

Magenta (1%)

Yellow (60%)

Black (60%)



Cyan (60%)


Magenta (60%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 34.958, 104.146 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, 34.958, 104.146 by changing the saturation by 10% instead.


 42, 34.958,
104.146


 42, 34.958,
104.146


 100, 34.958,
104.146


 32, 34.958,
104.146

 62, 34.958,
104.146


 22, 34.958,
104.146

 72, 34.958,
104.146

 12, 34.958,
104.146

 82, 34.958,
104.146

 2, 34.958, 104.146

 92, 34.958,
104.146

 0, 34.958, 104.146

 42, 34.958,

 42, 34.958,

104.146

■ 42, 39.728,
103.410

■ 42, 43.736,
102.785

■ 42, 46.719,
102.303

■ 42, 49.174,
101.900

104.146

■ 42, 29.669,
104.970

■ 42, 24.043,
105.846

■ 43, 18.208,
106.754

■ 43, 12.250,
107.676

■ 43, 6.224, 108.596

■ 44, 0.166, 109.253

■ 44, 5.898, 290.413

■ 44, 11.952,
291.274

■ 45, 17.986,

Harmonies

Complementary

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



42, 34.958, 104.146



20, 41.059, 298.319

Rectangle

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



42, 34.958, 104.146



42, 34.958, 154.146



42, 34.958, 284.146



42, 34.958, 334.146

Sweetspot

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



42, 34.958, 104.149



55, 13.404, 107.841



26, 31.000, 25.460



28, 9.233, 107.644



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, 34.958, 104.149



53, 49.549, 103.163



40, 38.243, 125.933



21, 3.375, 108.720



46, 53.145, 101.888



92, 92.101, 101.828

Inverse Universe

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



20, 41.059, 298.319



22, 61.566, 301.228



23, 41.795, 311.438



19, 3.441, 290.409



11, 73.316, 305.950



31, 128.076, 306.150

Previews

White Background



This preview shows how the CIELCh color 42, 34.958, 104.146 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, 34.958, 104.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

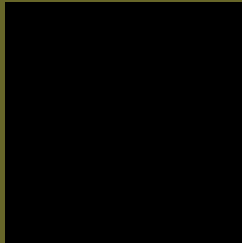
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 34.958, 104.146

Background



This preview shows how black text looks on a background with the CIELCh color 42, 34.958, 104.146.



This preview shows how white text looks on a background with the CIELCh color 42, 34.958, 104.146.

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, 34.958, 104.146

Protanopia

42, 34.511, 95.986

Deuteranopia

42, 33.642, 80.204



Tritanopia
42, 7.587, 340.917

Trichromacy



Original Color
42, 34.958, 104.146

Protanomaly
42, 34.698, 99.285

Deuteranomaly
42, 33.538, 89.026

Tritanomaly
42, 11.199, 84.972

Monochromacy



Original Color
42, 34.958, 104.146

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 13.251, 106.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 34.958, 104.146 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, 102, 41)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 102, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 102, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 34.958, 104.146 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, 102, 41) }
```

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

```
.border{ border-color:rgb(103, 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(103, 102, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 102, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 102, 41);  
box-shadow:4px 4px 4px 4px rgb(103, 102,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 34.958, 104.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 102, 41) }
```

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

```
.background{ background-color: rgb(103,  
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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