

Converting Colors

CIELCh(42, 47.721, 124.959)

Have a look what the booklet for
CIELCh(42, 47.721, 124.959)
contains.

CIELCh(42, 47.993, 124.999)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 47.993, 124.999)

Conversions

Conversions Part 1

Format	Color
Hex	486E1C
RGB	72, 110, 28
RGB Percent	28%, 43%, 11%
CMY	0.7194, 0.5703, 0.8920
CMYK	0.35, 0.00, 0.75, 0.57
HSL	88°, 60%, 27%
HSV	88°, 75%, 43%
XYZ	8.3726, 12.5000, 3.0418
YIQ	89.2900, 3.6740, -33.5580

Conversions

Conversions Part 2

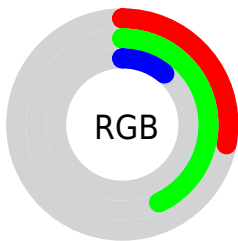
Format	Color
R_{YB}	28, 110, 66
Decimal	4746780
CIE Lab	42.00, -27.53, 39.31
CIE LCh	42, 47.993, 124.999
Yxy	12.5000, 0.3501, 0.5227
Android (android.graphics.Color)	4282936860 (0xFF486E1C)
YUV	89.2900, -30.2160, -15.1633
Hunter-Lab	35.3553, -19.6007, 19.6477

Details


The CIELCh color $42, 47.993, 124.999$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $20, 54.095, 311.476$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 47.805, 124.993$, and $22, 39.664, 130.480$ is the 20% darker color. If you saturate the color by 10%, you get $42, 52.391, 125.212$, and if you desaturate by 10%, it is $42, 42.697, 125.086$.

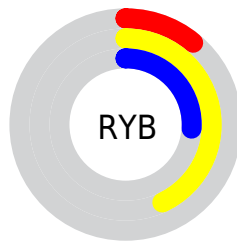
Distribution



 Red (28%)

 Green (43%)

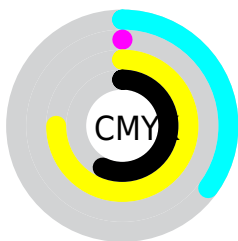
 Blue (11%)




 Red (11%)

 Yellow (43%)

 Blue (26%)

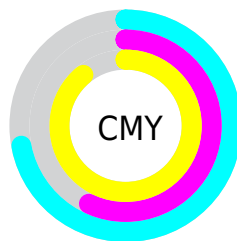



 Cyan (35%)

 Magenta (0%)

 Yellow (75%)

 Black (57%)



 Cyan (72%)


 Magenta (57%)


 Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 47.993, 124.999 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, 47.993, 124.999 by changing the saturation by 10% instead.

 42, 47.993,
124.999


 42, 47.993,
124.999


 100, 47.993,
124.999


 32, 47.993,
124.999

 62, 47.993,
124.999


 22, 47.993,
124.999

 72, 47.993,
124.999

 12, 47.993,
124.999

 82, 47.993,
124.999

 2, 47.993, 124.999

 92, 47.993,
124.999

 0, 47.993, 124.999

 42, 47.993,

 42, 47.993,

124.999

124.999

■ 42, 52.391,
125.212

■ 42, 42.697,
125.086

■ 41, 55.761,
125.764

■ 43, 36.764,
125.365

■ 41, 57.447,
125.994

■ 43, 30.410,
125.758

■ 44, 23.793,
126.206

■ 45, 17.024,
126.674

■ 45, 10.181,
127.138

■ 46, 3.320, 127.595

■ 47, 3.521, 307.971

■ 47, 10.312,
308.369

Harmonies

Complementary

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



42, 47.993, 124.999



20, 54.095, 311.476

Rectangle

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



42, 47.993, 124.999



42, 47.993, 174.999



42, 47.993, 304.999



42, 47.993, 354.999

Sweetspot

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



42, 47.993, 125.000



57, 18.732, 126.780



32, 34.117, 61.747



29, 12.495, 126.690



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 47.993, 125.000



53, 66.510, 125.636



40, 54.662, 137.325



22, 3.776, 127.407



44, 60.373, 126.119



87, 104.794, 127.072

Inverse Universe

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



20, 54.095, 311.476



23, 76.858, 311.586



27, 54.006, 326.169



20, 3.828, 308.160



16, 70.545, 311.547



38, 122.182, 310.901

Previews

White Background



This preview shows how the CIELCh color 42, 47.993, 124.999 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, 47.993, 124.999 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, 47.993, 124.999

Background



This preview shows how black text looks on a background with the CIELCh color 42, 47.993, 124.999.



This preview shows how white text looks on a background with the CIELCh color 42, 47.993, 124.999.

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

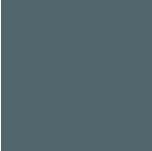
42, 47.993, 124.999

Protanopia

42, 41.410, 95.647

Deuteranopia

42, 37.940, 82.240



Tritanopia
42, 8.877, 231.848

Trichromacy



Original Color
42, 47.993, 124.999

Protanomaly
42, 42.314, 107.881

Deuteranomaly
41, 38.395, 101.427

Tritanomaly
42, 18.938, 144.857

Monochromacy



Original Color
42, 47.993, 124.999

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 18.465, 125.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 47.993, 124.999 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(72, 110, 28)` looks like.

```
.text, #text, p{  
    color:rgb(72, 110, 28)  
}
```

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(72, 110, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 110, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 47.993, 124.999 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(72, 110, 28) }
```

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

```
.border{ border-color:rgb(72, 110, 28) }
```

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

Here you see how a box with a 4 pixel rgb(72, 110, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 110, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 110, 28);  
box-shadow:4px 4px 4px 4px rgb(72, 110,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 47.993, 124.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 110, 28) }
```

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

```
.background{ background-color: rgb(72, 110,  
28) }
```

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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