

Converting Colors

CIELCh(42, 27.570, 117.760)

Have a look what the booklet for
CIELCh(42, 27.570, 117.760)
contains.

CIELCh(42, 27.534, 117.780)	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, 27.534, 117.780)

Conversions

Conversions Part 1

Format	Color
Hex	5C683A
RGB	92, 104, 58
RGB Percent	36%, 41%, 23%
CMY	0.6389, 0.5919, 0.7723
CMYK	0.12, 0.00, 0.44, 0.59
HSL	76°, 28%, 32%
HSV	76°, 44%, 41%
XYZ	10.1436, 12.5000, 5.8900
YIQ	95.1680, 7.6140, -16.8500

Conversions

Conversions Part 2

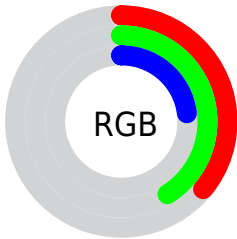
Format	Color
RYB	58, 104, 70
Decimal	6055994
CIELab	42.00, -12.83, 24.36
CIELCh	42, 27.534, 117.780
Yxy	12.5000, 0.3555, 0.4381
Android (android.graphics.Color)	4284246074 (0xFF5C683A)
YUV	95.1680, -18.3238, -2.7783
Hunter-Lab	35.3553, -10.6595, 14.8714

Details

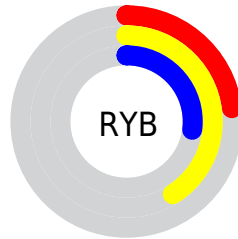
The CIELCh color $42, 27.534, 117.780$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $28, 30.208, 303.608$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 27.484, 117.754$, and $22, 27.373, 117.577$ is the 20% darker color. If you saturate the color by 10%, you get $42, 33.329, 117.285$, and if you desaturate by 10%, it is $42, 21.486, 118.339$.

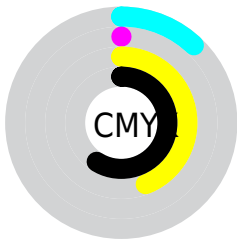
Distribution



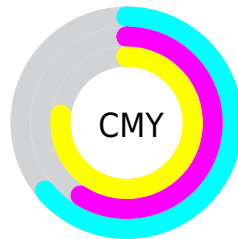
- Red (36%)
- Green (41%)
- Blue (23%)



- Red (23%)
- Yellow (41%)
- Blue (27%)



- Cyan (12%)
- Magenta (0%)
- Yellow (44%)
- Black (59%)





- Cyan (64%)
- Magenta (59%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 27.534, 117.780 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, 27.534, 117.780 by changing the saturation by 10% instead.


 42, 27.534,
117.780


 42, 27.534,
117.780


 100, 27.534,
117.780


 32, 27.534,
117.780

 62, 27.534,
117.780


 22, 27.534,
117.780

 72, 27.534,
117.780

 12, 27.534,
117.780

 82, 27.534,
117.780

 2, 27.534, 117.780

 92, 27.534,
117.780

 0, 27.534, 117.780

 42, 27.534,

 42, 27.534,

117.780

117.780

■ 42, 33.329,
117.285

■ 42, 21.486,
118.339

■ 41, 38.723,
116.896

■ 43, 15.282,
118.923

■ 41, 43.516,
116.681

■ 43, 8.990, 119.511

■ 41, 47.460,
116.722

■ 44, 2.660, 120.094

■ 44, 3.678, 300.638

■ 41, 50.421,
117.064

■ 45, 9.999, 301.172

■ 40, 52.101,
117.236

■ 46, 16.286,
301.675

■ 46, 22.525,
302.146

■ 47, 28.707,
302.586

Harmonies

Complementary

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



42, 27.534, 117.780



28, 30.208, 303.608

Rectangle

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



42, 27.534, 117.780



42, 27.534, 167.780



42, 27.534, 297.780



42, 27.534, 347.780

Sweetspot

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



42, 27.535, 117.782



56, 10.198, 119.561



33, 18.523, 44.273



29, 7.190, 119.460



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 27.535, 117.782



53, 40.369, 117.272



40, 31.208, 135.102



21, 3.496, 119.821



44, 55.878, 117.380



89, 97.318, 118.160

Inverse Universe

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



28, 30.208, 303.608



32, 45.524, 304.594



30, 31.962, 319.066



19, 3.558, 300.848



13, 72.132, 308.216



33, 125.947, 307.717

Previews

White Background



This preview shows how the CIELCh color 42, 27.534, 117.780 looks on a white background.

Color Contrast Check

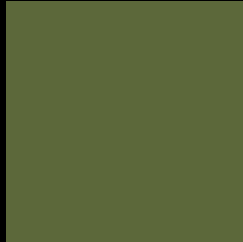
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.534, 117.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

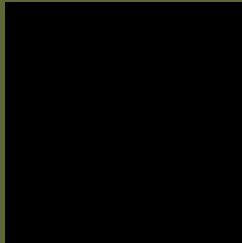
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 27.534, 117.780

Background



This preview shows how black text looks on a background with the CIELCh color 42, 27.534, 117.780.



This preview shows how white text looks on a background with the CIELCh color 42, 27.534, 117.780.

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, 27.534, 117.780

Protanopia

42, 25.905, 95.678

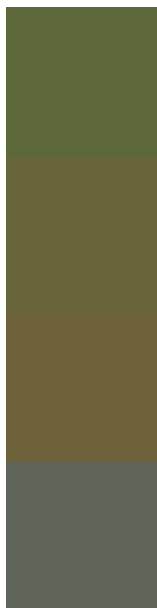
Deuteranopia

42, 24.390, 77.495



Tritanopia
42, 4.244, 285.364

Trichromacy



Original Color
42, 27.534, 117.780

Protanomaly
42, 25.928, 104.182

Deuteranomaly
42, 23.929, 92.825

Tritanomaly
42, 7.537, 125.577

Monochromacy



Original Color
42, 27.534, 117.780

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 9.816, 118.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 27.534, 117.780 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(92, 104, 58)` looks like.

```
.text, #text, p{  
    color:rgb(92, 104, 58)  
}
```

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(92, 104, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 104, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 27.534, 117.780 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(92, 104, 58) }
```

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

```
.border{ border-color:rgb(92, 104, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 104, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 104, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 104, 58);  
box-shadow:4px 4px 4px 4px rgb(92, 104,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 27.534, 117.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 104, 58) }
```

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

```
.background{ background-color: rgb(92, 104,  
58) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor