

Converting Colors

CIELCh(42, 40.643, 127.028)

Have a look what the booklet for
CIELCh(42, 40.643, 127.028)
contains.

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Color

CIELCh(42, 40.613, 127.042)

Conversions

Conversions Part 1

Format	Color
Hex	4B6D2B
RGB	75, 109, 43
RGB Percent	29%, 43%, 17%
CMY	0.7075, 0.5742, 0.8329
CMYK	0.31, 0.00, 0.61, 0.57
HSL	91°, 44%, 30%
HSV	91°, 61%, 43%
XYZ	8.7231, 12.5000, 4.2013
YIQ	91.3100, 0.9220, -27.7340

Conversions

Conversions Part 2

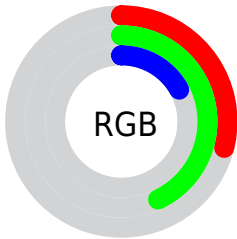
Format	Color
RYB	43, 109, 77
Decimal	4943147
CIELab	42.00, -24.47, 32.42
CIELCh	42, 40.613, 127.042
Yxy	12.5000, 0.3431, 0.4917
Android (android.graphics.Color)	4283133227 (0xFF4B6D2B)
YUV	91.3100, -23.8168, -14.3039
Hunter-Lab	35.3553, -17.8314, 17.7033

Details

The CIELCh color $42, 40.613, 127.042$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $25, 44.109, 312.425$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 40.779, 127.073$, and $22, 38.355, 128.510$ is the 20% darker color. If you saturate the color by 10%, you get $42, 46.264, 126.851$, and if you desaturate by 10%, it is $42, 34.426, 127.386$.

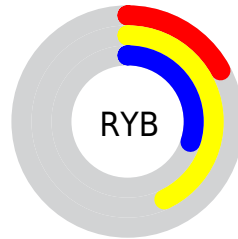
Distribution



 Red (29%)

 Green (43%)

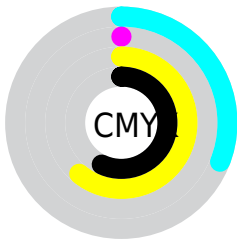
 Blue (17%)



 Red (17%)

 Yellow (43%)

 Blue (30%)

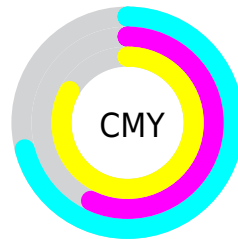


 Cyan (31%)


 Magenta (0%)

 Yellow (61%)

 Black (57%)



 Cyan (71%)


 Magenta (57%)


 Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 40.613, 127.042 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, 40.613, 127.042 by changing the saturation by 10% instead.


 42, 40.613,
127.042


 42, 40.613,
127.042


 100, 40.613,
127.042


 32, 40.613,
127.042

 62, 40.613,
127.042


 22, 40.613,
127.042

 72, 40.613,
127.042

 12, 40.613,
127.042

 82, 40.613,
127.042

 2, 40.613, 127.042

 92, 40.613,
127.042

 0, 40.613, 127.042

 42, 40.613,

 42, 40.613,

127.042

127.042

■ 42, 46.264,
126.851

■ 42, 34.426,
127.386

■ 41, 51.131,
126.906

■ 43, 27.892,
127.810

■ 41, 54.951,
127.318

■ 44, 21.150,
128.265

■ 41, 58.013,
127.744

■ 44, 14.297,
128.723

■ 45, 7.402, 129.169

■ 46, 0.514, 129.726

■ 47, 6.331, 309.943

■ 47, 13.108,
310.299

■ 48, 19.798,

Harmonies

Complementary

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



42, 40.613, 127.042



25, 44.109, 312.425

Rectangle

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



42, 40.613, 127.042



42, 40.613, 177.042



42, 40.613, 307.042



42, 40.613, 357.042

Sweetspot

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



42, 40.614, 127.043



57, 15.294, 128.826



35, 26.892, 68.197



29, 10.711, 128.723



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, 40.614, 127.043



53, 58.174, 126.837



40, 46.565, 139.524



22, 3.821, 129.248



44, 61.371, 127.886



87, 106.596, 128.829

Inverse Universe

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



25, 44.109, 312.425



28, 64.438, 312.879



29, 46.142, 327.344



20, 3.868, 309.961



17, 69.791, 312.705



40, 120.807, 312.053

Previews

White Background



This preview shows how the CIELCh color 42, 40.613, 127.042 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, 40.613, 127.042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

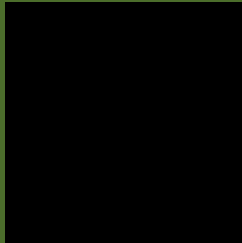
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 40.613, 127.042

Background



This preview shows how black text looks on a background with the CIELCh color 42, 40.613, 127.042.



This preview shows how white text looks on a background with the CIELCh color 42, 40.613, 127.042.

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

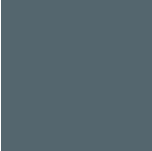
42, 40.613, 127.042

Protanopia

42, 34.511, 95.986

Deuteranopia

42, 31.398, 79.784



Tritanopia
42, 8.286, 234.612

Trichromacy



Original Color
42, 40.613, 127.042

Protanomaly
42, 35.036, 108.870

Deuteranomaly
41, 31.589, 100.082

Tritanomaly
42, 15.046, 148.196

Monochromacy



Original Color
42, 40.613, 127.042

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 15.465, 128.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 40.613, 127.042 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(75, 109, 43)` looks like.

```
.text, #text, p{  
    color:rgb(75, 109, 43)  
}
```

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(75, 109, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 109, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 40.613, 127.042 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(75, 109, 43) }
```

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

```
.border{ border-color:rgb(75, 109, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 109, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 109, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 109, 43);  
box-shadow:4px 4px 4px 4px rgb(75, 109,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 40.613, 127.042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 109, 43) }
```

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

```
.background{ background-color: rgb(75, 109,  
43) }
```

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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