

Converting Colors

CIELCh(42, 58.057, 127.185)

Have a look what the booklet for
CIELCh(42, 58.057, 127.185)
contains.

CIELCh(42, 58.069, 127.036)	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, 58.069, 127.036)

Conversions

Conversions Part 1

Format	Color
Hex	3A7003
RGB	58, 112, 3
RGB Percent	23%, 44%, 1%
CMY	0.7725, 0.5607, 0.9881
CMYK	0.48, 0.00, 0.97, 0.56
HSL	90°, 95%, 23%
HSV	90°, 97%, 44%
XYZ	7.5594, 12.5000, 2.1013
YIQ	83.4280, 2.8050, -45.3470

Conversions

Conversions Part 2

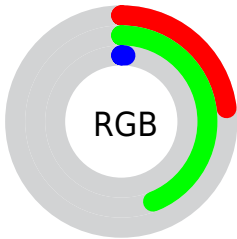
Format	Color
RYB	3, 112, 57
Decimal	3829763
CIELab	42.00, -34.98, 46.35
CIELCh	42, 58.069, 127.036
Yxy	12.5000, 0.3411, 0.5641
Android (android.graphics.Color)	4282019843 (0xFF3A7003)
YUV	83.4280, -39.6510, -22.3004
Hunter-Lab	35.3553, -23.7062, 21.2250

Details

The CIELCh color **42, 58.069, 127.036** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **16, 66.491, 312.294**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 57.902, 127.092**, and **22, 43.432, 136.854** is the 20% darker color. If you saturate the color by 10%, you get **42, 58.976, 127.149**, and if you desaturate by 10%, it is **42, 54.747, 126.468**.

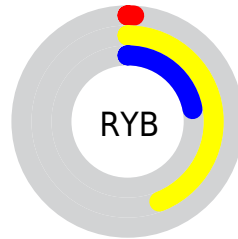
Distribution



Red (23%)

Green (44%)

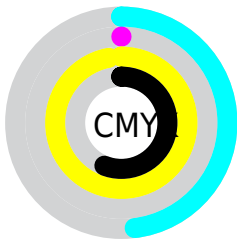
Blue (1%)



Red (1%)

Yellow (44%)

Blue (22%)

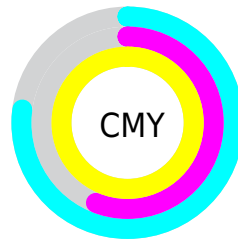


Cyan (48%)

Magenta (0%)

Yellow (97%)

Black (56%)



Cyan (77%)

Magenta (56%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 58.069, 127.036 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, 58.069, 127.036 by changing the saturation by 10% instead.


 42, 58.069,
127.036


 42, 58.069,
127.036


 100, 58.069,
127.036


 32, 58.069,
127.036

 62, 58.069,
127.036


 22, 58.069,
127.036

 72, 58.069,
127.036

 12, 58.069,
127.036

 82, 58.069,
127.036

 2, 58.069, 127.036

 92, 58.069,
127.036

 0, 58.069, 127.036

 42, 58.069,

 42, 58.069,

127.036

127.036

■ 42, 58.976,
127.149

■ 42, 54.747,
126.468

■ 43, 50.495,
126.169

■ 43, 45.251,
126.196

■ 44, 39.290,
126.441

■ 44, 32.847,
126.814

■ 45, 26.100,
127.253

■ 45, 19.175,
127.714

■ 46, 12.160,
128.174

Harmonies

Complementary

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



42, 58.069, 127.036



16, 66.491, 312.294

Rectangle

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



42, 58.069, 127.036



42, 58.069, 177.036



42, 58.069, 307.036



42, 58.069, 357.036

Sweetspot

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



42, 58.069, 127.037



58, 25.209, 127.600



30, 44.923, 61.278



30, 17.412, 127.445



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 58.069, 127.037



54, 71.440, 127.579



41, 64.391, 136.086



23, 3.955, 128.545



45, 61.958, 127.270



88, 106.755, 128.191

Inverse Universe

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



16, 66.491, 312.294



22, 81.997, 312.010



25, 62.381, 327.577



21, 4.006, 309.279



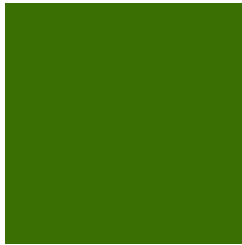
17, 71.182, 312.221



39, 122.297, 311.590

Previews

White Background



This preview shows how the CIELCh color 42, 58.069, 127.036 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, 58.069, 127.036 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, 58.069, 127.036

Background



This preview shows how black text looks on a background with the CIELCh color 42, 58.069, 127.036.



This preview shows how white text looks on a background with the CIELCh color 42, 58.069, 127.036.

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, 58.069, 127.036

Protanopia

42, 48.825, 95.749

Deuteranopia

42, 42.775, 83.219



Tritanopia
42, 12.165, 221.792

Trichromacy



Original Color
42, 58.069, 127.036

Protanomaly
41, 50.302, 109.586

Deuteranomaly
41, 44.941, 104.072

Tritanomaly
42, 26.656, 144.770

Monochromacy



Original Color
42, 58.069, 127.036

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 25.732, 127.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 58.069, 127.036 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(58, 112, 3)` looks like.

```
.text, #text, p{  
    color:rgb(58, 112, 3)  
}
```

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(58, 112, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 112, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 58.069, 127.036 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(58, 112, 3) }
```

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

```
.border{ border-color:rgb(58, 112, 3) }
```

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

Here you see how a box with a 4 pixel rgb(58, 112, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 112, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 112, 3);  
box-shadow:4px 4px 4px 4px rgb(58, 112, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 58.069, 127.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 112, 3) }
```

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

```
.background{ background-color: rgb(58, 112,  
3) }
```

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