

Converting Colors

CIELCh(27, 41.620, 137.679)

Have a look what the booklet for
CIELCh(27, 41.620, 137.679)
contains.

CIELCh(27, 41.585, 137.599)	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(27, 41.585, 137.599)

Conversions

Conversions Part 1

Format	Color
Hex	124A10
RGB	18, 74, 16
RGB Percent	7%, 29%, 6%
CMY	0.9284, 0.7090, 0.9365
CMYK	0.75, 0.00, 0.78, 0.71
HSL	118°, 64%, 18%
HSV	118°, 78%, 29%
XYZ	2.8117, 5.0937, 1.3331
YIQ	50.6440, -14.7580, -29.9100

Conversions

Conversions Part 2

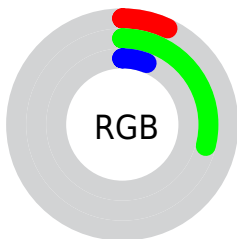
Format	Color
RYB	16, 74, 72
Decimal	1198608
CIELab	27.00, -30.71, 28.04
CIELCh	27, 41.585, 137.599
Yxy	5.0937, 0.3043, 0.5514
Android (android.graphics.Color)	4279388688 (0xFF124A10)
YUV	50.6440, -17.0795, -28.6288
Hunter-Lab	22.5692, -17.2584, 12.2962

Details

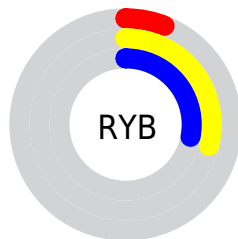
The CIELCh color $27, 41.585, 137.599$ is a dark color, and the websafe version is hex 003300 . A complement of this color would be $17, 41.024, 326.624$, and the grayscale version is $21, 0.004, 296.813$.

A 20% lighter version of the original color is $47, 41.391, 137.772$, and $9, 23.127, 144.258$ is the 20% darker color. If you saturate the color by 10%, you get $27, 44.967, 136.809$, and if you desaturate by 10%, it is $27, 37.410, 138.500$.

Distribution



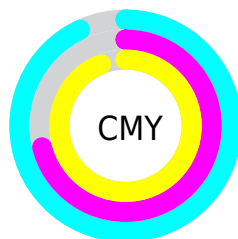
- Red (7%)
- Green (29%)
- Blue (6%)



- Red (6%)
- Yellow (29%)
- Blue (28%)



- Cyan (75%)
- Magenta (0%)
- Yellow (78%)
- Black (71%)




- Cyan (93%)
- Magenta (71%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 41.585, 137.599 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 27, 41.585, 137.599 by changing the saturation by 10% instead.

 27, 41.585,
137.599


 27, 41.585,
137.599

 100, 41.585,
137.599


 17, 41.585,
137.599

 47, 41.585,
137.599


 7, 41.585, 137.599

 57, 41.585,
137.599

 0, 41.585, 137.599

 67, 41.585,
137.599

 77, 41.585,
137.599

 87, 41.585,
137.599

 97, 41.585,

137.599

■ 27, 41.585,
137.599

■ 27, 41.585,
137.599

■ 27, 44.967,
136.809

■ 27, 37.410,
138.500

■ 27, 48.142,
135.857

■ 28, 32.621,
139.429

■ 27, 48.740,
135.693

■ 28, 27.393,
140.324

■ 29, 21.874,
141.148

■ 29, 16.185,
141.886

■ 30, 10.422,
142.538

■ 31, 4.660, 143.117

■ 32, 1.046, 323.460

■ 33, 6.655, 323.979

Harmonies

Complementary

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



27, 41.585, 137.599



17, 41.024, 326.624

Rectangle

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



27, 41.585, 137.599



27, 41.585, 187.599



27, 41.585, 317.599



27, 41.585, 7.599

Sweetspot

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



27, 41.585, 137.600



39, 16.485, 142.175



30, 32.377, 101.315



19, 11.258, 142.047



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 41.585, 137.600



35, 56.860, 136.204



27, 30.262, 152.721



15, 3.268, 143.087



37, 60.872, 135.721



80, 110.435, 135.904

Inverse Universe

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



17, 41.024, 326.624



21, 55.378, 326.868



16, 30.936, 349.315



14, 3.276, 323.877



22, 59.066, 326.912



53, 106.903, 326.817

Previews

White Background



This preview shows how the CIELCh color 27, 41.585, 137.599 looks on a white background.

Color Contrast Check

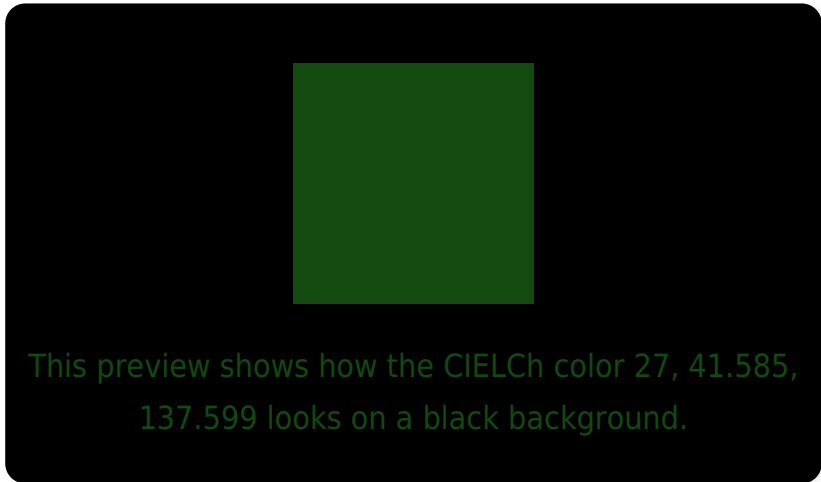
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

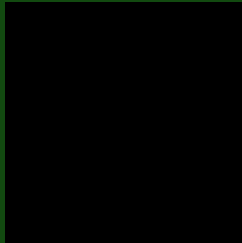
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 41.585, 137.599

Background



This preview shows how black text looks on a background with the CIELCh color 27, 41.585, 137.599.



This preview shows how white text looks on a background with the CIELCh color 27, 41.585, 137.599.

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

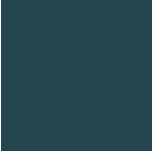
27, 41.585, 137.599

Protanopia

27, 30.287, 95.908

Deuteranopia

27, 26.731, 82.640



Tritanopia
27, 12.838, 215.494

Trichromacy



Original Color
27, 41.585, 137.599

Protanomaly
26, 32.497, 118.507

Deuteranomaly
26, 28.346, 112.915

Tritanomaly
27, 20.314, 163.295

Monochromacy



Original Color
27, 41.585, 137.599

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 16.809, 141.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 41.585, 137.599 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(18, 74, 16)` looks like.

```
.text, #text, p{  
    color:rgb(18, 74, 16)  
}
```

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(18, 74, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 74, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 41.585, 137.599 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(18, 74, 16) }
```

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

```
.border{ border-color:rgb(18, 74, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 74, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 74, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 74, 16);  
box-shadow:4px 4px 4px 4px rgb(18, 74, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 41.585, 137.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 74, 16) }
```

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

```
.background{ background-color: rgb(18, 74,  
16) }
```

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