

Converting Colors

CIELCh(27, 22.624, 142.135)

Have a look what the booklet for
CIELCh(27, 22.624, 142.135)
contains.

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Color

CIELCh(27, 23.030, 142.512)

Conversions

Conversions Part 1

Format	Color
Hex	29472A
RGB	41, 71, 42
RGB Percent	16%, 28%, 16%
CMY	0.8405, 0.7229, 0.8365
CMYK	0.42, 0.00, 0.41, 0.72
HSL	122°, 27%, 22%
HSV	122°, 42%, 28%
XYZ	3.5459, 5.0937, 2.9578
YIQ	58.7240, -8.5710, -15.3790

Conversions

Conversions Part 2

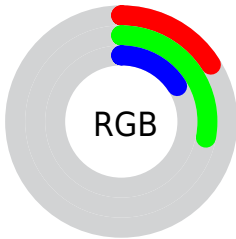
Format	Color
RYB	41, 70, 71
Decimal	2705194
CIELab	27.00, -18.27, 14.02
CIELCh	27, 23.030, 142.512
Yxy	5.0937, 0.3058, 0.4392
Android (android.graphics.Color)	4280895274 (0xFF29472A)
YUV	58.7240, -8.2449, -15.5439
Hunter-Lab	22.5692, -11.4512, 8.0282




Details

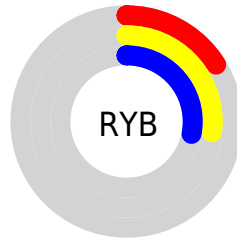
The CIELCh color **27, 23.030, 142.512** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **21, 22.997, 327.428**, and the grayscale version is **25, 0.004, 296.813**.




A 20% lighter version of the original color is **47, 23.059, 142.732**, and **8, 18.838, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **27, 28.170, 141.584**, and if you desaturate by 10%, it is **28, 17.686, 143.340**.

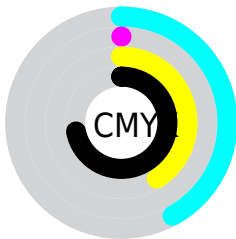
Distribution







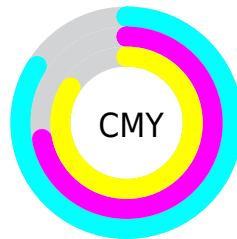
-  Red (16%)
-  Green (28%)
-  Blue (16%)






-  Red (16%)
-  Yellow (27%)
-  Blue (28%)



-  Cyan (42%)
-  Magenta (0%)
-  Yellow (41%)
-  Black (72%)





-  Cyan (84%)
-  Magenta (72%)
-  Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 23.030, 142.512 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, 23.030, 142.512 by changing the saturation by 10% instead.

 27, 23.030,
142.512


 27, 23.030,
142.512

 100, 23.030,
142.512


 17, 23.030,
142.512


 47, 23.030,
142.512


 7, 23.030, 142.512

 57, 23.030,
142.512

 0, 23.030, 142.512

 67, 23.030,
142.512

 77, 23.030,
142.512

 87, 23.030,
142.512

 97, 23.030,

142.512

■ 27, 23.030,
142.512

■ 27, 23.030,
142.512

■ 27, 28.170,
141.584

■ 28, 17.686,
143.340

■ 26, 32.987,
140.569

■ 28, 12.236,
144.069

■ 26, 37.343,
139.500

■ 29, 6.758, 144.708

■ 25, 41.083,
138.437

■ 30, 1.313, 145.331

■ 25, 44.173,
137.527

■ 31, 4.053, 325.674

■ 25, 46.511,
136.931

■ 33, 14.432,
326.455

■ 34, 19.413,
326.762

■ 35, 24.243,
327.029

Harmonies

Complementary

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



27, 23.030, 142.512



21, 22.997, 327.428

Rectangle

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



27, 23.030, 142.512



27, 23.030, 192.512



27, 23.030, 322.512



27, 23.030, 12.512

Sweetspot

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



27, 23.031, 142.512



38, 8.780, 144.643



29, 18.844, 108.054



18, 6.057, 144.571



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 23.031, 142.512



35, 34.013, 141.527



27, 15.746, 161.744



14, 3.046, 144.935



36, 59.227, 136.579



79, 109.113, 136.228

Inverse Universe

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



21, 22.997, 327.428



26, 33.853, 327.906



21, 16.618, 349.343



13, 3.052, 325.754



22, 56.503, 329.541



53, 103.019, 329.643

Previews

White Background



This preview shows how the CIE LCh color 27, 23.030, 142.512 looks on a white background.

Color Contrast Check

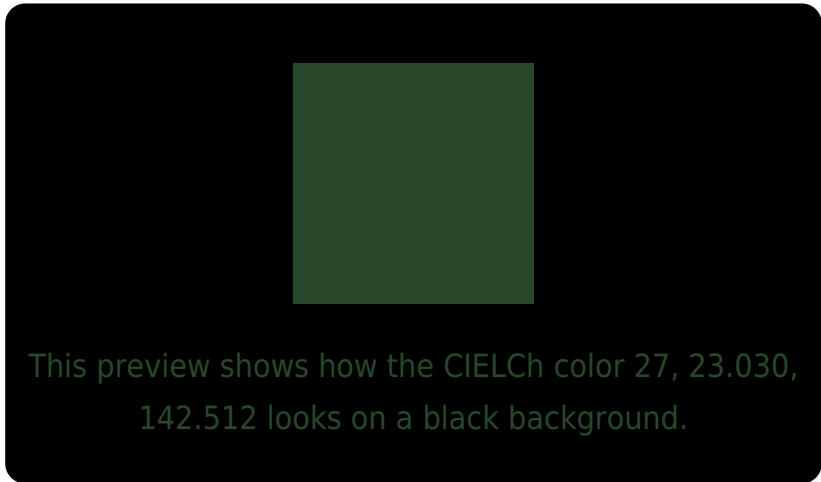
Large Text (above 18pt) WCAG AA ✓ Pass

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

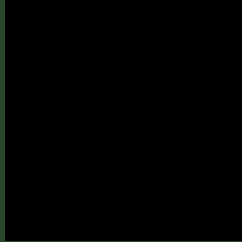
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 23.030, 142.512

Background



This preview shows how black text looks on a background with the CIELCh color 27, 23.030, 142.512.

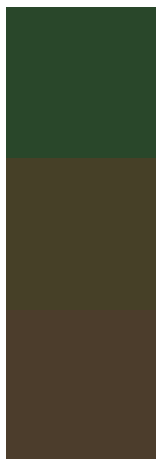


This preview shows how white text looks on a background with the CIELCh color 27, 23.030, 142.512.

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](#).

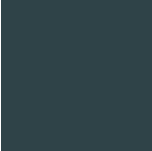
Dichromacy



Original Color
27, 23.030, 142.512

Protanopia
27, 16.321, 96.172

Deuteranopia
27, 13.483, 73.848



Tritanopia
27, 8.500, 220.942

Trichromacy



Original Color
27, 23.030, 142.512

Protanomaly
27, 16.954, 118.532

Deuteranomaly
27, 14.149, 111.293

Tritanomaly
27, 10.849, 172.712

Monochromacy



Original Color
27, 23.030, 142.512

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 8.839, 143.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 23.030, 142.512 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(41, 71, 42)` looks like.

```
.text, #text, p{  
    color:rgb(41, 71, 42)  
}
```

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(41, 71, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 71, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 23.030, 142.512 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(41, 71, 42) }
```

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

```
.border{ border-color:rgb(41, 71, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 71, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 71, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 71, 42);  
box-shadow:4px 4px 4px 4px rgb(41, 71, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 23.030, 142.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 71, 42) }
```

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

```
.background{ background-color: rgb(41, 71,  
42) }
```

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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