

Converting Colors

CIELCh(27, 14.263, 109.245)

Have a look what the booklet for
CIELCh(27, 14.263, 109.245)
contains.

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Color

CIELCh(27, 14.120, 109.309)

Conversions

Conversions Part 1

Format	Color
Hex	40412B
RGB	64, 65, 43
RGB Percent	25%, 25%, 17%
CMY	0.7478, 0.7439, 0.8302
CMYK	0.02, 0.00, 0.34, 0.74
HSL	63°, 20%, 21%
HSV	63°, 34%, 26%
XYZ	4.4847, 5.0937, 3.0609
YIQ	62.1930, 6.4660, -7.0540

Conversions

Conversions Part 2

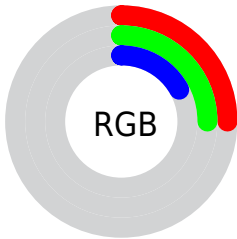
Format	Color
RYB	43, 65, 44
Decimal	4210987
CIELab	27.00, -4.67, 13.33
CIElCh	27, 14.120, 109.309
Yxy	5.0937, 0.3548, 0.4030
Android (android.graphics.Color)	4282401067 (0xFF40412B)
YUV	62.1930, -9.4621, 1.5847
Hunter-Lab	22.5692, -4.0269, 7.7575

Details

The CIELCh color **27, 14.120, 109.309** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 15.168, 295.293**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 14.082, 110.003**, and **7, 11.399, 112.679** is the 20% darker color. If you saturate the color by 10%, you get **27, 18.169, 108.543**, and if you desaturate by 10%, it is **27, 9.982, 110.099**.

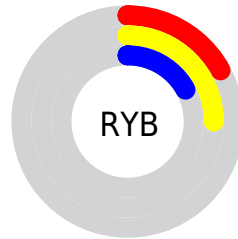
Distribution



 Red (25%)

 Green (25%)

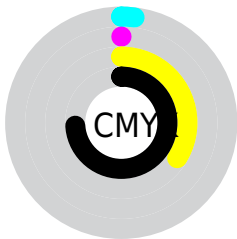
 Blue (17%)



 Red (17%)

 Yellow (25%)

 Blue (17%)

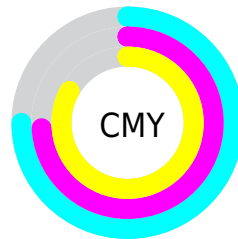


 Cyan (2%)

 Magenta (0%)

 Yellow (34%)

 Black (74%)



 Cyan (75%)

 Magenta (74%)

 Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 14.120, 109.309 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, 14.120, 109.309 by changing the saturation by 10% instead.

■ 27, 14.120,
109.309

■ 27, 14.120,
109.309

■ 100, 14.120,
109.309

■ 17, 14.120,
109.309

■ 47, 14.120,
109.309

■ 7, 14.120, 109.309

■ 57, 14.120,
109.309

■ 0, 14.120, 109.309

■ 67, 14.120,
109.309

■ 77, 14.120,
109.309

■ 87, 14.120,
109.309

■ 97, 14.120,

109.309

■ 27, 14.120,
109.309

■ 27, 14.120,
109.309

■ 27, 18.169,
108.543

■ 27, 9.982, 110.099

■ 27, 5.788, 110.888

■ 27, 22.071,
107.808

■ 28, 1.566, 111.662

■ 27, 25.751,
107.131

■ 28, 2.668, 292.452

■ 27, 29.099,
106.541

■ 28, 6.902, 293.195

■ 26, 31.975,
106.073

■ 28, 11.126,
293.915

■ 26, 34.578,
105.684

■ 29, 15.333,
294.607

■ 26, 36.230,
105.465

■ 29, 19.519,
295.269

■ 29, 23.678,
295.899

Harmonies

Complementary

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



27, 14.120, 109.309



19, 15.168, 295.293

Rectangle

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



27, 14.120, 109.309



27, 14.120, 159.309



27, 14.120, 289.309



27, 14.120, 339.309

Sweetspot

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



27, 14.121, 109.312



36, 5.215, 111.147



20, 10.674, 24.350



18, 3.589, 111.100



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



27, 14.121, 109.312



35, 20.566, 108.699



26, 15.280, 128.869



13, 2.379, 111.293



39, 47.774, 105.485



86, 88.134, 105.687

Inverse Universe

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



19, 15.168, 295.293



23, 22.551, 296.326



20, 15.873, 311.607



11, 2.423, 292.668



8, 65.568, 306.571



28, 121.285, 306.392

Previews

White Background



This preview shows how the CIELCh color 27, 14.120, 109.309 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



This preview shows how the CIE LCh color 27, 14.120, 109.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

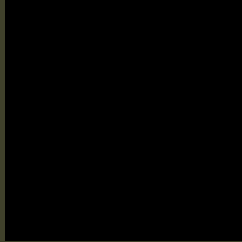
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 14.120, 109.309

Background



This preview shows how black text looks on a background with the CIELCh color 27, 14.120, 109.309.

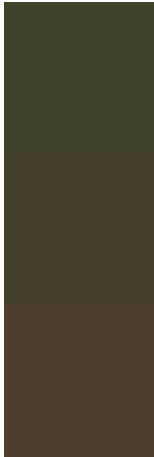


This preview shows how white text looks on a background with the CIELCh color 27, 14.120, 109.309.

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, 14.120, 109.309

Protanopia

27, 13.746, 96.973

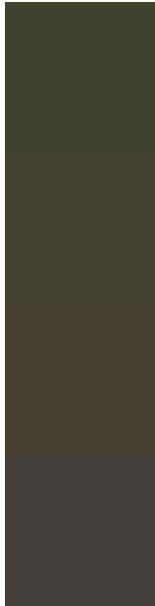
Deuteranopia

27, 13.483, 73.848



Tritanopia
27, 3.964, 324.772

Trichromacy



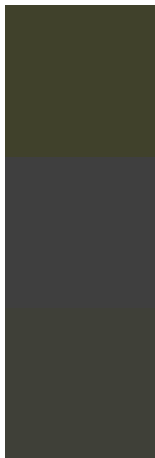
Original Color
27, 14.120, 109.309

Protanomaly
27, 13.594, 101.120

Deuteranomaly
27, 13.104, 87.594

Tritanomaly
27, 3.526, 86.270

Monochromacy



Original Color
27, 14.120, 109.309

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 5.211, 114.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 14.120, 109.309 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(64, 65, 43)` looks like.

```
.text, #text, p{  
    color:rgb(64, 65, 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(64, 65, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 65, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 14.120, 109.309 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(64, 65, 43) }
```

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

```
.border{ border-color:rgb(64, 65, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 65, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 65, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 65, 43);  
box-shadow:4px 4px 4px 4px rgb(64, 65, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 14.120, 109.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 65, 43) }
```

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

```
.background{ background-color: rgb(64, 65,  
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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