

Converting Colors

CIELCh(27, 14.938, 226.559)

Have a look what the booklet for
CIELCh(27, 14.938, 226.559)
contains.

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Color

CIELCh(27, 14.938, 226.559)

Conversions

Conversions Part 1

Format	Color
Hex	1D4550
RGB	29, 69, 80
RGB Percent	11%, 27%, 31%
CMY	0.8864, 0.7295, 0.6863
CMYK	0.64, 0.14, 0.00, 0.69
HSL	193°, 47%, 21%
HSV	193°, 64%, 31%
XYZ	4.0803, 5.0937, 8.3538
YIQ	58.2940, -27.3710, -5.0590

Conversions

Conversions Part 2

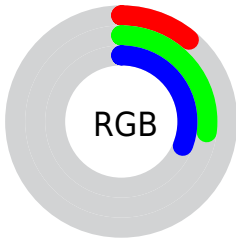
Format	Color
R_{YB}	29, 51, 80
Decimal	1918288
CIE _{Lab}	27.00, -10.27, -10.85
CIE _{LCh}	27, 14.938, 226.559
Yxy	5.0937, 0.2328, 0.2906
Android (android.graphics.Color)	4280108368 (0xFF1D4550)
YUV	58.2940, 10.7011, -25.6908
Hunter-Lab	22.5692, -7.2252, -6.1473

Details

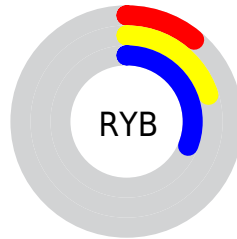
The CIELCh color **27, 14.938, 226.559** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21, 23.328, 41.611**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 14.805, 227.066**, and **8, 11.325, 240.668** is the 20% darker color. If you saturate the color by 10%, you get **26, 16.353, 228.434**, and if you desaturate by 10%, it is **28, 13.221, 225.070**.

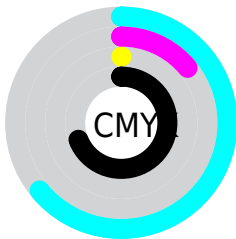
Distribution



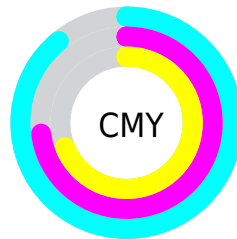
- Red (11%)
- Green (27%)
- Blue (31%)



- Red (11%)
- Yellow (20%)
- Blue (31%)



- Cyan (64%)
- Magenta (14%)
- Yellow (0%)
- Black (69%)



- Cyan (89%)
- Magenta (73%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 14.938, 226.559 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, 14.938, 226.559 by changing the saturation by 10% instead.

■ 27, 14.938,
226.559

■ 27, 14.938,
226.559

■ 100, 14.938,
226.559

■ 17, 14.938,
226.559

■ 47, 14.938,
226.559

■ 7, 14.938, 226.559

■ 57, 14.938,
226.559

■ 0, 14.938, 226.559

■ 67, 14.938,
226.559

■ 77, 14.938,
226.559

■ 87, 14.938,
226.559

■ 97, 14.938,

226.559

■ 27, 14.938,
226.559

■ 27, 14.938,
226.559

■ 26, 16.353,
228.434

■ 28, 13.221,
225.070

■ 25, 17.462,
230.765

■ 29, 11.224,
223.907

■ 25, 18.348,
233.445

■ 30, 8.977, 223.013

■ 31, 6.515, 222.340

■ 24, 18.923,
235.003

■ 32, 3.873, 221.859

■ 34, 1.084, 221.673

■ 35, 1.823, 41.003

■ 36, 4.821, 40.926

■ 37, 7.887, 40.846

Harmonies

Complementary

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



27, 14.938, 226.559



21, 23.328, 41.611

Rectangle

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



27, 14.938, 226.559



27, 14.938, 276.559



27, 14.938, 46.559



27, 14.938, 96.559

Sweetspot

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



27, 14.938, 226.558



41, 6.572, 222.122



30, 33.180, 145.012



20, 4.539, 222.211



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



27, 14.938, 226.558



34, 20.540, 229.782



19, 24.687, 284.795



16, 1.617, 221.697



32, 22.868, 236.567



69, 41.388, 239.646

Inverse Universe

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



20, 32.516, 335.104



25, 45.939, 336.321



28, 24.002, 86.079



15, 3.012, 331.545



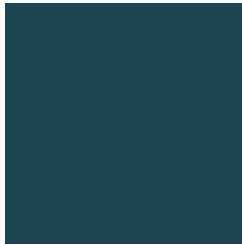
22, 51.210, 338.437



52, 90.882, 339.324

Previews

White Background



This preview shows how the CIE LCh color 27, 14.938, 226.559 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, 14.938, 226.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

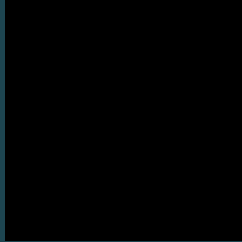
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

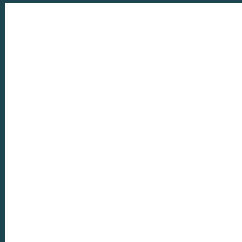
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 14.938, 226.559

Background



This preview shows how black text looks on a background with the CIELCh color 27, 14.938, 226.559.



This preview shows how white text looks on a background with the CIELCh color 27, 14.938, 226.559.

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, 14.938, 226.559

Protanopia

27, 8.497, 286.295

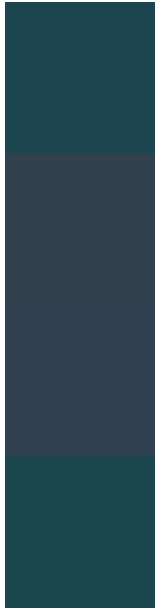
Deuteranopia

27, 11.732, 288.574



Tritanopia
27, 15.042, 209.862

Trichromacy



Original Color
27, 14.938, 226.559

Protanomaly
27, 9.799, 252.232

Deuteranomaly
27, 11.829, 261.374

Tritanomaly
27, 14.885, 215.356

Monochromacy



Original Color
27, 14.938, 226.559

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 6.658, 221.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 14.938, 226.559 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(29, 69, 80)` looks like.

```
.text, #text, p{  
    color:rgb(29, 69, 80)  
}
```

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(29, 69, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 69, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 14.938, 226.559 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(29, 69, 80) }
```

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

```
.border{ border-color:rgb(29, 69, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 69, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 69, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 69, 80);  
box-shadow:4px 4px 4px 4px rgb(29, 69, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 14.938, 226.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 69, 80) }
```

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

```
.background{ background-color: rgb(29, 69,  
80) }
```

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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