

Converting Colors

CIELCh(27, 9.970, 240.133)

Have a look what the booklet for
CIELCh(27, 9.970, 240.133) contains.

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Color

CIELCh(27, 10.137, 238.668)

Conversions

Conversions Part 1

Format	Color
Hex	2E434D
RGB	46, 67, 77
RGB Percent	18%, 26%, 30%
CMY	0.8205, 0.7382, 0.6990
CMYK	0.40, 0.13, 0.00, 0.70
HSL	199°, 25%, 24%
HSV	199°, 40%, 30%
XYZ	4.4400, 5.0937, 7.7252
YIQ	61.8610, -15.7260, -1.3420

Conversions

Conversions Part 2

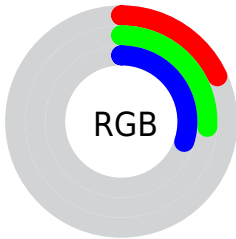
Format	Color
R_{YB}	46, 59, 77
Decimal	3031885
CIE _{Lab}	27.00, -5.27, -8.66
CIE _{LCh}	27, 10.137, 238.668
Yxy	5.0937, 0.2573, 0.2951
Android (android.graphics.Color)	4281221965 (0xFF2E434D)
YUV	61.8610, 7.4635, -13.9101
Hunter-Lab	22.5692, -4.3804, -4.4959

Details

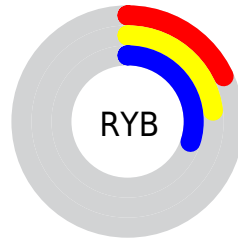
The CIELCh color **27, 10.137, 238.668** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 12.568, 51.888**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 10.237, 238.417**, and **7, 10.170, 241.687** is the 20% darker color. If you saturate the color by 10%, you get **26, 12.280, 240.396**, and if you desaturate by 10%, it is **28, 7.824, 237.257**.

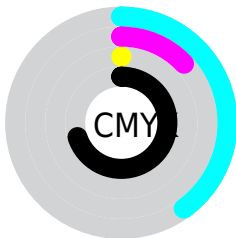
Distribution



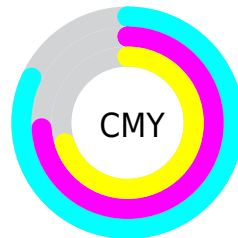
- Red (18%)
- Green (26%)
- Blue (30%)



- Red (18%)
- Yellow (23%)
- Blue (30%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (70%)



- Cyan (82%)
- Magenta (74%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 10.137, 238.668 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, 10.137, 238.668 by changing the saturation by 10% instead.

■ 27, 10.137,
238.668

■ 27, 10.137,
238.668

■ 100, 10.137,
238.668

■ 17, 10.137,
238.668

■ 47, 10.137,
238.668

■ 7, 10.137, 238.668

■ 57, 10.137,
238.668

■ 0, 10.137, 238.668

■ 67, 10.137,
238.668

■ 77, 10.137,
238.668

■ 87, 10.137,
238.668

■ 97, 10.137,

238.668

■ 27, 10.137,
238.668

■ 27, 10.137,
238.668

■ 26, 12.280,
240.396

■ 28, 7.824, 237.257

■ 30, 5.365, 236.119

■ 24, 14.235,
242.512

■ 31, 2.784, 235.223

■ 23, 15.988,
245.078

■ 33, 0.105, 236.731

■ 22, 17.543,
248.154

■ 34, 2.652, 53.649

■ 36, 5.469, 53.185

■ 21, 18.935,
251.712

■ 37, 8.330, 52.780

■ 20, 20.322,
254.861

■ 39, 11.223, 52.441

Harmonies

Complementary

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



27, 10.137, 238.668



25, 12.568, 51.888

Rectangle

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



27, 10.137, 238.668



27, 10.137, 288.668



27, 10.137, 58.668



27, 10.137, 108.668

Sweetspot

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



27, 10.137, 238.665



40, 3.975, 235.386



30, 19.119, 151.838



20, 2.656, 235.432



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



27, 10.137, 238.665



34, 14.527, 240.277



22, 17.058, 286.753



14, 1.498, 235.097



27, 25.188, 257.042



61, 47.306, 260.973

Inverse Universe

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



23, 19.295, 337.986



29, 28.171, 338.755



30, 16.226, 97.170



14, 2.641, 335.707



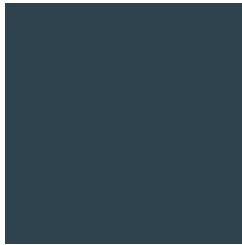
21, 46.955, 345.254



51, 83.838, 346.920

Previews

White Background



This preview shows how the CIELCh color 27, 10.137, 238.668 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 CIELCh color 27, 10.137, 238.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

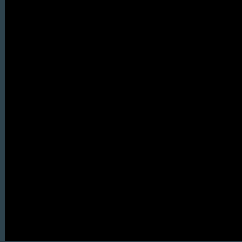
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

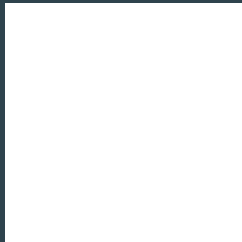
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 10.137, 238.668

Background



This preview shows how black text looks on a background with the CIELCh color 27, 10.137, 238.668.



This preview shows how white text looks on a background with the CIELCh color 27, 10.137, 238.668.

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

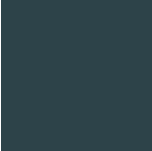
27, 10.137, 238.668

Protanopia

27, 7.176, 288.260

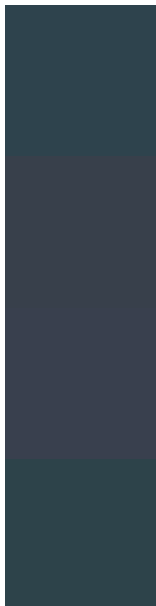
Deuteranopia

27, 10.462, 294.478



Tritanopia
27, 9.326, 223.157

Trichromacy



Original Color
27, 10.137, 238.668

Protanomaly
27, 7.782, 266.873

Deuteranomaly
27, 9.455, 274.716

Tritanomaly
27, 9.539, 227.004

Monochromacy



Original Color
27, 10.137, 238.668

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 3.899, 229.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 10.137, 238.668 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(46, 67, 77)` looks like.

```
.text, #text, p{  
    color:rgb(46, 67, 77)  
}
```

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(46, 67, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 67, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 10.137, 238.668 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(46, 67, 77) }
```

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

```
.border{ border-color:rgb(46, 67, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 67, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 67, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 67, 77);  
box-shadow:4px 4px 4px 4px rgb(46, 67, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 10.137, 238.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 67, 77) }
```

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

```
.background{ background-color: rgb(46, 67,  
77) }
```

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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