

Converting Colors

CIELCh(27, 18.615, 242.921)

Have a look what the booklet for
CIELCh(27, 18.615, 242.921)
contains.

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Color

CIELCh(27, 18.613, 242.718)

Conversions

Conversions Part 1

Format	Color
Hex	154559
RGB	21, 69, 89
RGB Percent	8%, 27%, 35%
CMY	0.9191, 0.7305, 0.6521
CMYK	0.77, 0.23, 0.00, 0.65
HSL	198°, 62%, 21%
HSV	198°, 77%, 35%
XYZ	4.2031, 5.0937, 10.1487
YIQ	56.9280, -35.0280, -3.9560

Conversions

Conversions Part 2

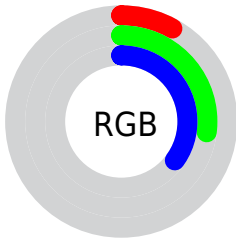
Format	Color
R_{YB}	21, 49, 89
Decimal	1394009
CIE _{Lab}	27.00, -8.53, -16.54
CIE _{LCh}	27, 18.613, 242.718
Yxy	5.0937, 0.2161, 0.2619
Android (android.graphics.Color)	4279584089 (0xFF154559)
YUV	56.9280, 15.8115, -31.5089
Hunter-Lab	22.5692, -6.2535, -10.8626

Details

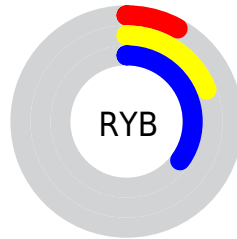
The CIELCh color **27, 18.613, 242.718** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **23, 30.743, 48.274**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 18.548, 243.303**, and **8, 14.646, 259.969** is the 20% darker color. If you saturate the color by 10%, you get **26, 20.027, 246.115**, and if you desaturate by 10%, it is **28, 16.950, 239.888**.

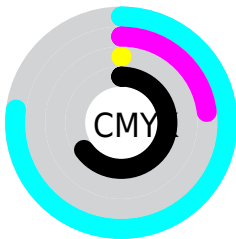
Distribution



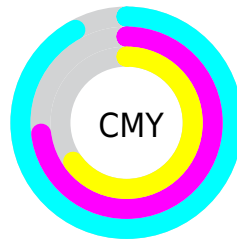
- Red (8%)
- Green (27%)
- Blue (35%)



- Red (8%)
- Yellow (19%)
- Blue (35%)



- Cyan (77%)
- Magenta (23%)
- Yellow (0%)
- Black (65%)





- Cyan (92%)
- Magenta (73%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 18.613, 242.718 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, 18.613, 242.718 by changing the saturation by 10% instead.


 27, 18.613,
242.718


 27, 18.613,
242.718


 100, 18.613,
242.718


 17, 18.613,
242.718


 47, 18.613,
242.718


 7, 18.613, 242.718

 57, 18.613,
242.718

 0, 18.613, 242.718

 67, 18.613,
242.718

 77, 18.613,
242.718

 87, 18.613,
242.718

 97, 18.613,

242.718

■ 27, 18.613,
242.718

■ 27, 18.613,
242.718

■ 26, 20.027,
246.115

■ 28, 16.950,
239.888

■ 25, 21.333,
249.761

■ 29, 15.024,
237.569

■ 24, 21.780,
250.853

■ 31, 12.843,
235.689

■ 32, 10.425,
234.177

■ 34, 7.801, 232.969

■ 35, 5.002, 232.018

■ 37, 2.058, 231.323

■ 38, 1.001, 50.285

■ 40, 4.151, 50.008

Harmonies

Complementary

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



27, 18.613, 242.718



23, 30.743, 48.274

Rectangle

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



27, 18.613, 242.718



27, 18.613, 292.718



27, 18.613, 62.718



27, 18.613, 112.718

Sweetspot

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



27, 18.612, 242.718



44, 8.354, 232.657



33, 39.584, 145.841



22, 5.793, 232.907



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



27, 18.612, 242.718



33, 25.197, 249.331



16, 37.101, 293.490



17, 1.666, 231.433



30, 25.072, 252.145



64, 45.829, 255.741

Inverse Universe

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



20, 38.382, 340.051



25, 50.592, 342.362



32, 32.640, 90.630



16, 3.000, 334.531



22, 49.416, 343.381



52, 86.777, 344.737

Previews

White Background



This preview shows how the CIELCh color 27, 18.613, 242.718 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, 18.613, 242.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

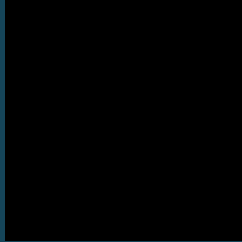
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

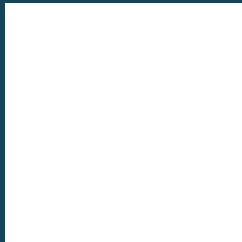
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 18.613, 242.718

Background



This preview shows how black text looks on a background with the CIELCh color 27, 18.613, 242.718.



This preview shows how white text looks on a background with the CIELCh color 27, 18.613, 242.718.

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, 18.613, 242.718

Protanopia

27, 13.758, 284.782

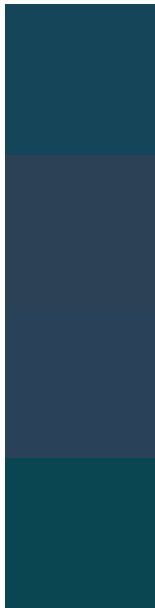
Deuteranopia

27, 17.763, 282.962



Tritanopia
27, 19.021, 208.700

Trichromacy



Original Color
27, 18.613, 242.718

Protanomaly
27, 15.257, 263.502

Deuteranomaly
27, 17.692, 266.966

Tritanomaly
27, 18.181, 220.574

Monochromacy



Original Color
27, 18.613, 242.718

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 8.425, 237.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 18.613, 242.718 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(21, 69, 89)` looks like.

```
.text, #text, p{  
    color:rgb(21, 69, 89)  
}
```

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(21, 69, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 69, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 18.613, 242.718 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(21, 69, 89) }
```

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

```
.border{ border-color:rgb(21, 69, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 69, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 69, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 69, 89);  
box-shadow:4px 4px 4px 4px rgb(21, 69, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 18.613, 242.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 69, 89) }
```

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

```
.background{ background-color: rgb(21, 69,  
89) }
```

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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