

Converting Colors

CIELCh(27, 19.368, 255.452)

Have a look what the booklet for
CIELCh(27, 19.368, 255.452)
contains.

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Color

CIELCh(27, 19.413, 256.166)

Conversions

Conversions Part 1

Format	Color
Hex	1D435C
RGB	29, 67, 92
RGB Percent	11%, 26%, 36%
CMY	0.8849, 0.7361, 0.6380
CMYK	0.68, 0.27, 0.00, 0.64
HSL	204°, 52%, 24%
HSV	204°, 68%, 36%
XYZ	4.4867, 5.0937, 10.9433
YIQ	58.4880, -30.6730, -0.2810

Conversions

Conversions Part 2

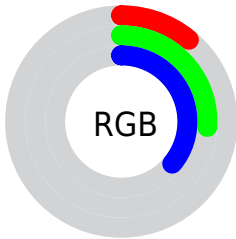
Format	Color
RYB	29, 53, 92
Decimal	1917788
CIELab	27.00, -4.64, -18.85
CIELCh	27, 19.413, 256.166
Yxy	5.0937, 0.2186, 0.2482
Android (android.graphics.Color)	4280107868 (0xFF1D435C)
YUV	58.4880, 16.5214, -25.8610
Hunter-Lab	22.5692, -4.0109, -12.9500

Details

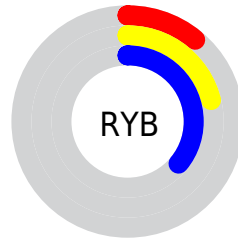
The CIELCh color **27, 19.413, 256.166** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **27, 26.727, 57.668**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 19.289, 255.210**, and **8, 16.930, 268.957** is the 20% darker color. If you saturate the color by 10%, you get **25, 21.698, 259.602**, and if you desaturate by 10%, it is **29, 16.979, 253.240**.

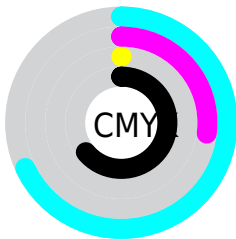
Distribution



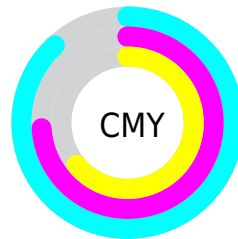
- Red (11%)
- Green (26%)
- Blue (36%)



- Red (11%)
- Yellow (21%)
- Blue (36%)



- Cyan (68%)
- Magenta (27%)
- Yellow (0%)
- Black (64%)





- Cyan (88%)
- Magenta (74%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 19.413, 256.166 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, 19.413, 256.166 by changing the saturation by 10% instead.

 27, 19.413,
256.166


 27, 19.413,
256.166

 100, 19.413,
256.166


 17, 19.413,
256.166


 47, 19.413,
256.166


 7, 19.413, 256.166

 57, 19.413,
256.166

 0, 19.413, 256.166

 67, 19.413,
256.166

 77, 19.413,
256.166

 87, 19.413,
256.166

 97, 19.413,

256.166

■ 27, 19.413,
256.166

■ 27, 19.413,
256.166

■ 25, 21.698,
259.602

■ 29, 16.979,
253.240

■ 24, 23.871,
263.551

■ 30, 14.385,
250.782

■ 22, 26.065,
267.517

■ 32, 11.635,
248.733

■ 22, 26.477,
268.167

■ 34, 8.743, 247.033

■ 36, 5.730, 245.629

■ 38, 2.616, 244.499

■ 40, 0.577, 62.969

■ 41, 3.830, 62.512

■ 43, 7.128, 61.838

Harmonies

Complementary

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



27, 19.413, 256.166



27, 26.727, 57.668

Rectangle

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



27, 19.413, 256.166



27, 19.413, 306.166



27, 19.413, 76.166



27, 19.413, 126.166

Sweetspot

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



27, 19.412, 256.166



46, 7.780, 245.945



34, 34.188, 150.950



23, 5.335, 246.198



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



27, 19.412, 256.166



33, 27.762, 262.057



17, 38.278, 296.034



18, 1.778, 244.560



27, 30.346, 269.353



58, 56.188, 272.853

Inverse Universe

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



22, 34.292, 344.836



27, 47.221, 347.449



36, 32.837, 98.150



17, 2.924, 339.078



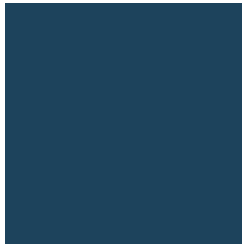
23, 47.392, 351.118



52, 82.588, 353.214

Previews

White Background



This preview shows how the CIELCh color 27, 19.413, 256.166 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, 19.413, 256.166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

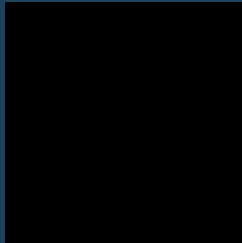
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 19.413, 256.166

Background



This preview shows how black text looks on a background with the CIELCh color 27, 19.413, 256.166.



This preview shows how white text looks on a background with the CIELCh color 27, 19.413, 256.166.

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

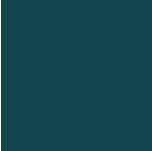
27, 19.413, 256.166

Protanopia

27, 17.034, 284.710

Deuteranopia

27, 19.809, 281.689



Tritanopia
27, 16.626, 210.792

Trichromacy



Original Color
27, 19.413, 256.166

Protanomaly
27, 17.260, 270.653

Deuteranomaly
27, 19.287, 271.124

Tritanomaly
27, 16.430, 228.894

Monochromacy



Original Color
27, 19.413, 256.166

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 8.009, 246.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 19.413, 256.166 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, 67, 92)` looks like.

```
.text, #text, p{  
    color:rgb(29, 67, 92)  
}
```

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, 67, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 67, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 19.413, 256.166 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, 67, 92) }
```

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

```
.border{ border-color:rgb(29, 67, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 67, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 67, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 67, 92);  
box-shadow:4px 4px 4px 4px rgb(29, 67, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 19.413, 256.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 67, 92) }
```

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

```
.background{ background-color: rgb(29, 67,  
92) }
```

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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