

Converting Colors

CIELCh(36, 19.430, 231.353)

Have a look what the booklet for
CIELCh(36, 19.430, 231.353)
contains.

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Color

CIELCh(36, 19.261, 231.249)

Conversions

Conversions Part 1

Format	Color
Hex	255B6C
RGB	37, 91, 108
RGB Percent	15%, 36%, 42%
CMY	0.8538, 0.6422, 0.5755
CMYK	0.66, 0.16, 0.00, 0.58
HSL	194°, 49%, 29%
HSV	194°, 66%, 42%
XYZ	7.2533, 9.0082, 15.6104
YIQ	76.7920, -37.6410, -6.1610

Conversions

Conversions Part 2

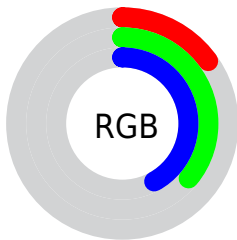
Format	Color
R_{YB}	37, 68, 108
Decimal	2448236
CIE _{Lab}	36.00, -12.06, -15.02
CIE _{LCh}	36, 19.261, 231.249
Yxy	9.0082, 0.2276, 0.2826
Android (android.graphics.Color)	4280638316 (0xFF255B6C)
YUV	76.7920, 15.3855, -34.8976
Hunter-Lab	30.0136, -9.3859, -9.8280




Details

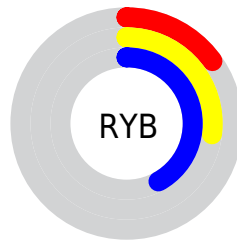
The CIELCh color **36, 19.261, 231.249** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 30.852, 43.768**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 19.222, 230.807**, and **17, 16.140, 241.926** is the 20% darker color. If you saturate the color by 10%, you get **35, 20.968, 233.678**, and if you desaturate by 10%, it is **37, 17.170, 229.307**.

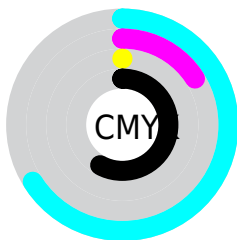
Distribution







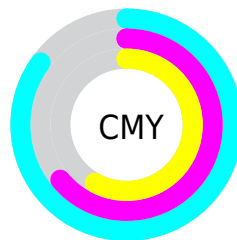
-  Red (15%)
-  Green (36%)
-  Blue (42%)






-  Red (15%)
-  Yellow (27%)
-  Blue (42%)



-  Cyan (66%)
-  Magenta (16%)
-  Yellow (0%)
-  Black (58%)





-  Cyan (85%)
-  Magenta (64%)
-  Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 19.261, 231.249 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 36, 19.261, 231.249 by changing the saturation by 10% instead.


 36, 19.261,
231.249


 36, 19.261,
231.249

 100, 19.261,
231.249


 26, 19.261,
231.249

 56, 19.261,
231.249


 16, 19.261,
231.249


 66, 19.261,
231.249

 6, 19.261, 231.249

 76, 19.261,
231.249

 0, 19.261, 231.249

 86, 19.261,
231.249

 96, 19.261,
231.249

■ 36, 19.261,
231.249

■ 36, 19.261,
231.249

■ 35, 20.968,
233.678

■ 37, 17.170,
229.307

■ 34, 22.301,
236.670

■ 39, 14.714,
227.776

■ 33, 23.352,
240.164

■ 40, 11.928,
226.585

■ 32, 23.830,
241.673

■ 42, 8.853, 225.671

■ 43, 5.537, 224.989

■ 45, 2.024, 224.565

■ 46, 1.645, 43.798

■ 48, 5.436, 43.657

■ 50, 9.318, 43.485

Harmonies

Complementary

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



36, 19.261, 231.249



29, 30.852, 43.768

Rectangle

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



36, 19.261, 231.249



36, 19.261, 281.249



36, 19.261, 51.249



36, 19.261, 101.249

Sweetspot

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



36, 19.260, 231.248



54, 8.691, 225.302



40, 42.356, 145.521



28, 5.941, 225.451



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



36, 19.260, 231.248



44, 26.202, 235.270



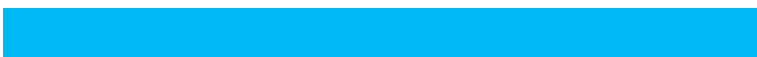
25, 34.349, 288.087



21, 2.014, 224.665



35, 25.277, 242.108



71, 44.067, 244.970

Inverse Universe

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



28, 41.646, 336.499



33, 57.558, 337.904



39, 32.299, 88.107



21, 3.728, 332.462



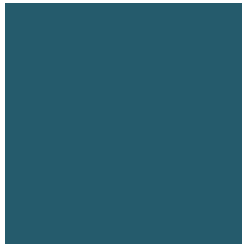
25, 54.537, 340.060



55, 92.945, 340.949

Previews

White Background



This preview shows how the CIELCh color 36, 19.261, 231.249 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 36, 19.261, 231.249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

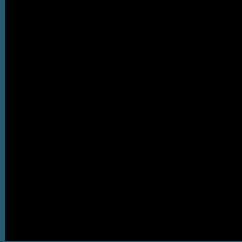
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

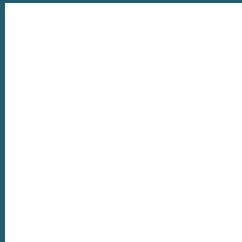
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 19.261, 231.249

Background



This preview shows how black text looks on a background with the CIELCh color 36, 19.261, 231.249.



This preview shows how white text looks on a background with the CIELCh color 36, 19.261, 231.249.

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


36, 19.261, 231.249

Protanopia

36, 11.866, 284.626

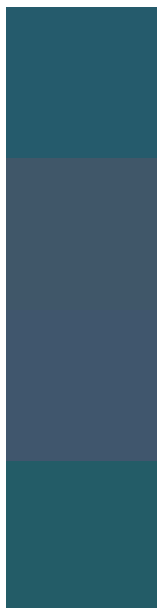
Deuteranopia

36, 16.810, 287.833



Tritanopia
36, 19.307, 210.268

Trichromacy



Original Color
36, 19.261, 231.249

Protanomaly
36, 13.634, 254.360

Deuteranomaly
36, 15.956, 263.305

Tritanomaly
36, 18.887, 218.766

Monochromacy



Original Color
36, 19.261, 231.249

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 8.242, 225.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 19.261, 231.249 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(37, 91, 108)` looks like.

```
.text, #text, p{  
    color:rgb(37, 91, 108)  
}
```

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(37, 91, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 91, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 19.261, 231.249 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(37, 91, 108) }
```

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

```
.border{ border-color:rgb(37, 91, 108) }
```

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

Here you see how a box with a 4 pixel rgb(37, 91, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 91, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 91, 108);  
box-shadow:4px 4px 4px 4px rgb(37, 91,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 19.261, 231.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 91, 108) }
```

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

```
.background{ background-color: rgb(37, 91,  
108) }
```

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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