

Converting Colors

CIELCh(37, 19.450, 277.203)

Have a look what the booklet for
CIELCh(37, 19.450, 277.203)
contains.

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Color

CIELCh(37, 19.650, 277.771)

Conversions

Conversions Part 1

Format	Color
Hex	485776
RGB	72, 87, 118
RGB Percent	28%, 34%, 46%
CMY	0.7170, 0.6582, 0.5366
CMYK	0.39, 0.26, 0.00, 0.54
HSL	220°, 24%, 37%
HSV	220°, 39%, 46%
XYZ	9.3855, 9.5379, 18.5380
YIQ	86.0490, -18.8910, 6.4610

Conversions

Conversions Part 2

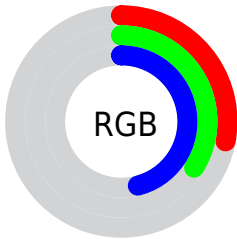
Format	Color
R_{YB}	72, 83, 118
Decimal	4740982
CIE _{Lab}	37.00, 2.66, -19.47
CIE _{LCh}	37, 19.650, 277.771
Yxy	9.5379, 0.2505, 0.2546
Android (android.graphics.Color)	4282931062 (0xFF485776)
YUV	86.0490, 15.7518, -12.3210
Hunter-Lab	30.8835, 0.2000, -13.9707

Details

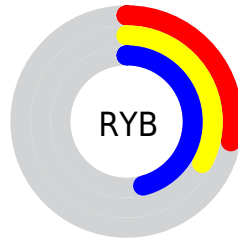
The CIELCh color $37, 19.650, 277.771$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $44, 19.722, 86.900$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 19.349, 276.927$, and $17, 19.974, 278.056$ is the 20% darker color. If you saturate the color by 10%, you get $34, 24.913, 279.975$, and if you desaturate by 10%, it is $40, 14.482, 275.870$.

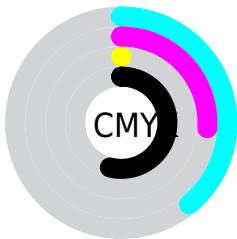
Distribution



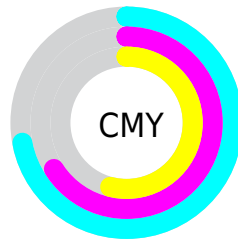
- Red (28%)
- Green (34%)
- Blue (46%)



- Red (28%)
- Yellow (33%)
- Blue (46%)



- Cyan (39%)
- Magenta (26%)
- Yellow (0%)
- Black (54%)





- Cyan (72%)
- Magenta (66%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 19.650, 277.771 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 37, 19.650, 277.771 by changing the saturation by 10% instead.


 37, 19.650,
277.771


 37, 19.650,
277.771

 100, 19.650,
277.771


 27, 19.650,
277.771

 57, 19.650,
277.771


 17, 19.650,
277.771


 67, 19.650,
277.771

 7, 19.650, 277.771

 77, 19.650,
277.771

 0, 19.650, 277.771

 87, 19.650,
277.771

 97, 19.650,
277.771

■ 37, 19.650,
277.771

■ 37, 19.650,
277.771

■ 34, 24.913,
279.975

■ 40, 14.482,
275.870

■ 31, 30.291,
282.511

■ 44, 9.402, 274.237

■ 47, 4.403, 272.843

■ 28, 35.803,
285.387

■ 50, 0.516, 91.273

■ 25, 41.466,
288.568

■ 53, 5.357, 90.492

■ 22, 47.265,
291.961

■ 57, 10.118, 89.577

■ 60, 14.800, 88.765

■ 19, 53.148,
295.227

■ 63, 19.402, 88.044

■ 19, 53.779,
295.539

■ 66, 23.924, 87.401

Harmonies

Complementary

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



37, 19.650, 277.771



44, 19.722, 86.900

Rectangle

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



37, 19.650, 277.771



37, 19.650, 327.771



37, 19.650, 97.771



37, 19.650, 147.771

Sweetspot

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



37, 19.649, 277.770



58, 7.327, 273.286



46, 19.884, 169.898



29, 4.835, 273.414



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



37, 19.649, 277.770



44, 29.547, 279.794



33, 29.168, 300.180



23, 2.758, 272.855



20, 55.369, 295.681



43, 99.370, 297.677

Inverse Universe

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



36, 21.857, 358.498



44, 32.712, 359.992



48, 26.697, 114.023



23, 3.012, 354.928



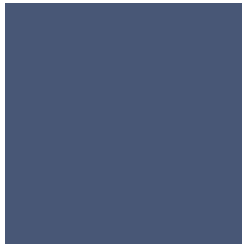
25, 49.912, 16.535



53, 85.825, 19.896

Previews

White Background



This preview shows how the CIE LCh color 37, 19.650, 277.771 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 37, 19.650, 277.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

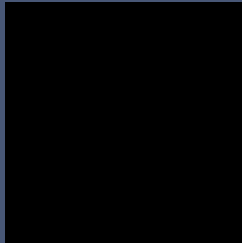
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

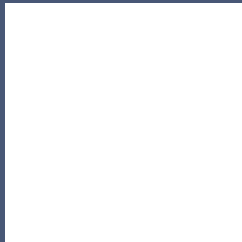
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 19.650, 277.771

Background



This preview shows how black text looks on a background with the CIELCh color 37, 19.650, 277.771.

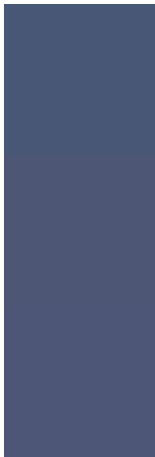


This preview shows how white text looks on a background with the CIELCh color 37, 19.650, 277.771.

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


37, 19.650, 277.771

Protanopia

37, 19.279, 284.664

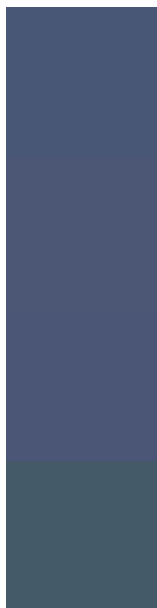
Deuteranopia

37, 19.926, 284.081



Tritanopia
37, 9.957, 224.283

Trichromacy



Original Color
37, 19.650, 277.771

Protanomaly
37, 19.372, 282.646

Deuteranomaly
37, 20.024, 282.157

Tritanomaly
37, 11.844, 250.616

Monochromacy



Original Color
37, 19.650, 277.771

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 7.648, 276.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 19.650, 277.771 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(72, 87, 118)` looks like.

```
.text, #text, p{  
    color:rgb(72, 87, 118)  
}
```

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(72, 87, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 87, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 19.650, 277.771 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(72, 87, 118) }
```

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

```
.border{ border-color:rgb(72, 87, 118) }
```

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

Here you see how a box with a 4 pixel rgb(72, 87, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 87, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 87, 118);  
box-shadow:4px 4px 4px 4px rgb(72, 87,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 19.650, 277.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 87, 118) }
```

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

```
.background{ background-color: rgb(72, 87,  
118) }
```

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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