

Converting Colors

CIELCh(36, 12.702, 278.338)

Have a look what the booklet for
CIELCh(36, 12.702, 278.338)
contains.

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Color

CIELCh(36, 12.685, 278.367)

Conversions

Conversions Part 1

Format	Color
Hex	4D5569
RGB	77, 85, 105
RGB Percent	30%, 33%, 41%
CMY	0.6996, 0.6682, 0.5898
CMYK	0.27, 0.19, 0.00, 0.59
HSL	223°, 15%, 36%
HSV	223°, 27%, 41%
XYZ	8.7753, 9.0082, 14.5308
YIQ	84.8880, -11.1880, 4.5240

Conversions

Conversions Part 2

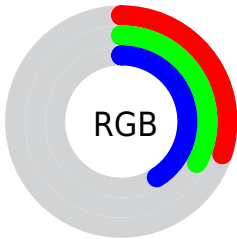
Format	Color
R_{YB}	77, 83, 105
Decimal	5068137
CIE Lab	36.00, 1.85, -12.55
CIE LCh	36, 12.685, 278.367
Yxy	9.0082, 0.2716, 0.2788
Android (android.graphics.Color)	4283258217 (0xFF4D5569)
YUV	84.8880, 9.9152, -6.9178
Hunter-Lab	30.0136, -0.3346, -7.6951

Details

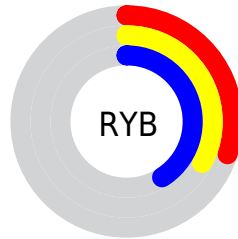
The CIELCh color **36, 12.685, 278.367** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 12.583, 91.604**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 12.364, 276.308**, and **16, 12.853, 279.414** is the 20% darker color. If you saturate the color by 10%, you get **33, 17.608, 280.123**, and if you desaturate by 10%, it is **39, 7.865, 276.850**.

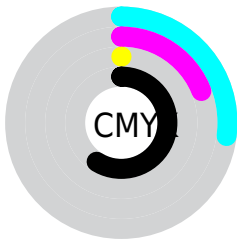
Distribution



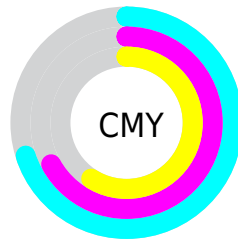
- Red (30%)
- Green (33%)
- Blue (41%)



- Red (30%)
- Yellow (33%)
- Blue (41%)



- Cyan (27%)
- Magenta (19%)
- Yellow (0%)
- Black (59%)





- Cyan (70%)
- Magenta (67%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 12.685, 278.367 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, 12.685, 278.367 by changing the saturation by 10% instead.


 36, 12.685,
278.367


 36, 12.685,
278.367

 100, 12.685,
278.367


 26, 12.685,
278.367

 56, 12.685,
278.367


 16, 12.685,
278.367


 66, 12.685,
278.367

 6, 12.685, 278.367

 76, 12.685,
278.367

 0, 12.685, 278.367

 86, 12.685,
278.367

 96, 12.685,
278.367

■ 36, 12.685,
278.367

■ 36, 12.685,
278.367

■ 33, 17.608,
280.123

■ 39, 7.865, 276.850

■ 30, 22.646,
282.158

■ 42, 3.143, 275.560

■ 45, 1.486, 94.289

■ 27, 27.814,
284.497

■ 48, 6.026, 93.360

■ 24, 33.128,
287.149

■ 51, 10.476, 92.496

■ 21, 38.595,
290.089

■ 54, 14.841, 91.730

■ 57, 19.120, 91.049

■ 18, 44.192,
293.236

■ 60, 23.316, 90.441

■ 63, 27.430, 89.895

■ 16, 49.839,
296.316

■ 15, 51.670,

Harmonies

Complementary

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



36, 12.685, 278.367



41, 12.583, 91.604

Rectangle

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



36, 12.685, 278.367



36, 12.685, 328.367



36, 12.685, 98.367



36, 12.685, 148.367

Sweetspot

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



36, 12.684, 278.365



53, 4.599, 275.734



42, 12.319, 173.535



27, 3.297, 275.881



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



36, 12.684, 278.365



44, 18.843, 279.411



34, 17.754, 300.009



21, 2.670, 275.827



18, 56.816, 297.655



40, 103.668, 299.609

Inverse Universe

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



36, 13.187, 359.619



44, 19.641, 0.407



43, 16.804, 116.272



21, 2.733, 357.674



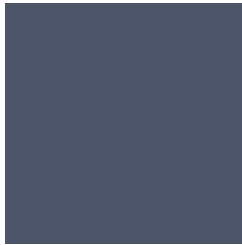
23, 49.094, 19.858



52, 86.183, 23.477

Previews

White Background



This preview shows how the CIELCh color 36, 12.685, 278.367 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 36, 12.685, 278.367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

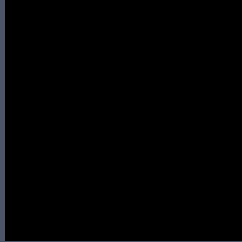
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

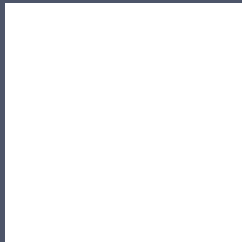
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 12.685, 278.367

Background



This preview shows how black text looks on a background with the CIELCh color 36, 12.685, 278.367.

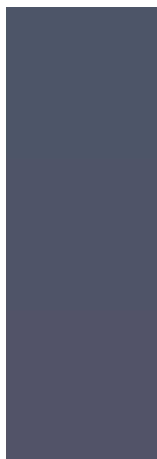


This preview shows how white text looks on a background with the CIELCh color 36, 12.685, 278.367.

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

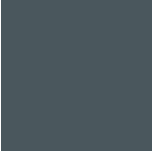
36, 12.685, 278.367

Protanopia

36, 12.479, 285.128

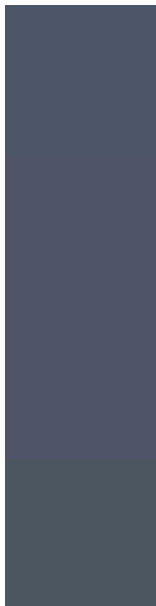
Deuteranopia

36, 13.678, 290.792



Tritanopia
36, 6.293, 235.300

Trichromacy



Original Color
36, 12.685, 278.367

Protanomaly
36, 12.522, 283.409

Deuteranomaly
36, 13.093, 285.592

Tritanomaly
36, 7.964, 258.490

Monochromacy



Original Color
36, 12.685, 278.367

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 4.502, 275.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 12.685, 278.367 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(77, 85, 105)` looks like.

```
.text, #text, p{  
    color:rgb(77, 85, 105)  
}
```

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(77, 85, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 85, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 12.685, 278.367 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(77, 85, 105) }
```

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

```
.border{ border-color:rgb(77, 85, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 85, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 85, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 85, 105);  
box-shadow:4px 4px 4px 4px rgb(77, 85,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 12.685, 278.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 85, 105) }
```

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

```
.background{ background-color: rgb(77, 85,  
105) }
```

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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