

Converting Colors

CIELCh(36, 12.453, 277.399)

Have a look what the booklet for
CIELCh(36, 12.453, 277.399)
contains.

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Color

CIELCh(36, 12.176, 275.803)

Conversions

Conversions Part 1

Format	Color
Hex	4C5568
RGB	76, 85, 104
RGB Percent	30%, 33%, 41%
CMY	0.7024, 0.6671, 0.5926
CMYK	0.27, 0.18, 0.00, 0.59
HSL	221°, 16%, 35%
HSV	221°, 27%, 41%
XYZ	8.7038, 9.0082, 14.3454
YIQ	84.4750, -11.4630, 4.0010

Conversions

Conversions Part 2

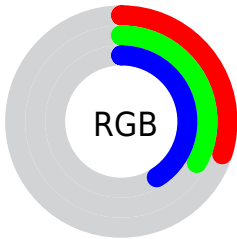
Format	Color
R_{YB}	76, 83, 104
Decimal	5002600
CIE _{Lab}	36.00, 1.23, -12.11
CIE _{LCh}	36, 12.176, 275.803
Yxy	9.0082, 0.2715, 0.2810
Android (android.graphics.Color)	4283192680 (0xFF4C5568)
YUV	84.4750, 9.6258, -7.4326
Hunter-Lab	30.0136, -0.7594, -7.3290

Details

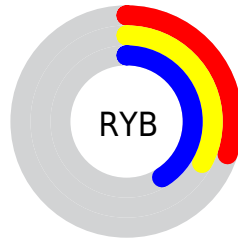
The CIELCh color **36, 12.176, 275.803** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 12.201, 88.841**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 11.911, 273.804**, and **16, 12.272, 276.639** is the 20% darker color. If you saturate the color by 10%, you get **33, 16.833, 277.602**, and if you desaturate by 10%, it is **39, 7.597, 274.251**.

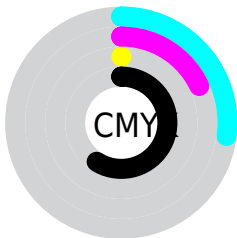
Distribution



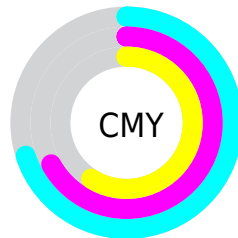
- Red (30%)
- Green (33%)
- Blue (41%)



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



- Cyan (27%)
- Magenta (18%)
- Yellow (0%)
- Black (59%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 12.176, 275.803 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, 12.176, 275.803 by changing the saturation by 10% instead.


 36, 12.176,
275.803


 36, 12.176,
275.803

 100, 12.176,
275.803


 26, 12.176,
275.803

 56, 12.176,
275.803


 16, 12.176,
275.803


 66, 12.176,
275.803

 6, 12.176, 275.803

 76, 12.176,
275.803

 0, 12.176, 275.803

 86, 12.176,
275.803

 96, 12.176,
275.803

■ 36, 12.176,
275.803

■ 36, 12.176,
275.803

■ 33, 16.833,
277.602

■ 39, 7.597, 274.251

■ 30, 21.577,
279.688

■ 42, 3.092, 272.933

■ 45, 1.339, 91.610

■ 27, 26.421,
282.089

■ 48, 5.699, 90.674

■ 24, 31.383,
284.819

■ 51, 9.986, 89.792

■ 54, 14.201, 89.008

■ 22, 36.478,
287.858

■ 57, 18.344, 88.311

■ 19, 41.704,
291.134

■ 59, 22.414, 87.688

■ 62, 26.413, 87.129

■ 17, 47.027,
294.364

■ 16, 48.667,

Harmonies

Complementary

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



36, 12.176, 275.803



41, 12.201, 88.841

Rectangle

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



36, 12.176, 275.803



36, 12.176, 325.803



36, 12.176, 95.803



36, 12.176, 145.803

Sweetspot

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



36, 12.175, 275.801



53, 4.423, 273.087



42, 12.623, 171.247



27, 3.170, 273.236



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, 12.175, 275.801



45, 18.033, 276.841



34, 17.748, 298.875



20, 2.464, 273.170



18, 52.859, 295.672



41, 97.559, 297.852

Inverse Universe

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



35, 13.406, 357.147



44, 19.904, 357.896



43, 16.768, 114.869



19, 2.671, 355.205



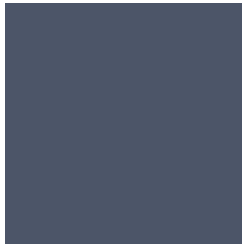
23, 47.658, 16.521



51, 83.956, 20.207

Previews

White Background



This preview shows how the CIELCh color 36, 12.176, 275.803 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, 12.176, 275.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

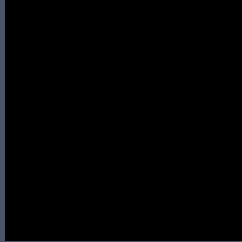
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

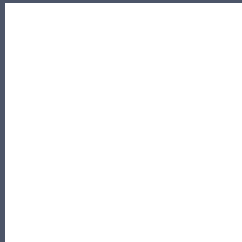
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 12.176, 275.803

Background



This preview shows how black text looks on a background with the CIELCh color 36, 12.176, 275.803.

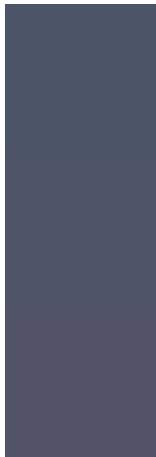


This preview shows how white text looks on a background with the CIELCh color 36, 12.176, 275.803.

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

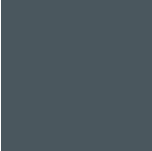
36, 12.176, 275.803

Protanopia

36, 11.866, 284.626

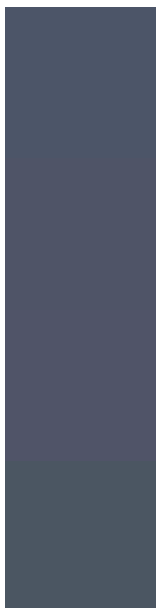
Deuteranopia

36, 13.059, 292.300



Tritanopia
36, 6.643, 239.913

Trichromacy



Original Color
36, 12.176, 275.803

Protanomaly
36, 11.912, 282.810

Deuteranomaly
36, 12.479, 285.128

Tritanomaly
36, 8.480, 260.975

Monochromacy



Original Color
36, 12.176, 275.803

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, 12.176, 275.803 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(76, 85, 104)` looks like.

```
.text, #text, p{  
    color:rgb(76, 85, 104)  
}
```

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(76, 85, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 85, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 12.176, 275.803 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(76, 85, 104) }
```

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

```
.border{ border-color:rgb(76, 85, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 85, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 85, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 85, 104);  
box-shadow:4px 4px 4px 4px rgb(76, 85,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 12.176, 275.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 85, 104) }
```

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

```
.background{ background-color: rgb(76, 85,  
104) }
```

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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