

Converting Colors

CIELCh(40, 15.257, 281.004)

Have a look what the booklet for
CIELCh(40, 15.257, 281.004)
contains.

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Color

CIELCh(40, 14.836, 280.894)

Conversions

Conversions Part 1

Format	Color
Hex	565E76
RGB	86, 94, 118
RGB Percent	34%, 37%, 46%
CMY	0.6634, 0.6320, 0.5379
CMYK	0.27, 0.20, 0.00, 0.54
HSL	225°, 16%, 40%
HSV	225°, 27%, 46%
XYZ	11.0707, 11.2510, 18.6746
YIQ	94.3440, -12.4720, 5.7680

Conversions

Conversions Part 2

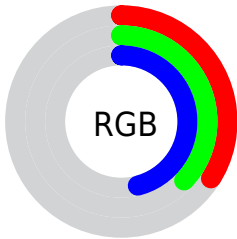
Format	Color
R_{YB}	86, 92, 118
Decimal	5660278
CIE Lab	40.00, 2.80, -14.57
CIE LCh	40, 14.836, 280.894
Yxy	11.2510, 0.2700, 0.2744
Android (android.graphics.Color)	4283850358 (0xFF565E76)
YUV	94.3440, 11.6624, -7.3177
Hunter-Lab	33.5425, 0.2147, -9.5297

Details

The CIELCh color $40, 14.836, 280.894$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 14.575, 94.088$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 14.890, 280.832$, and $20, 15.149, 282.135$ is the 20% darker color. If you saturate the color by 10%, you get $36, 20.555, 282.654$, and if you desaturate by 10%, it is $44, 9.260, 279.377$.

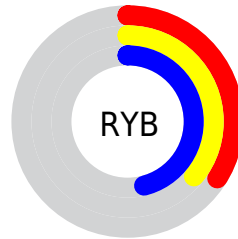
Distribution



Red (34%)

Green (37%)

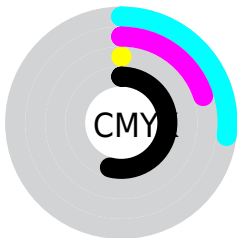
Blue (46%)



Red (34%)

Yellow (36%)

Blue (46%)

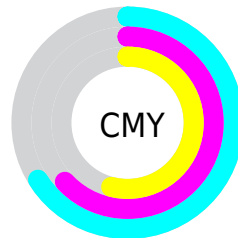


Cyan (27%)

Magenta (20%)

Yellow (0%)

Black (54%)



Cyan (66%)


Magenta (63%)

Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 14.836, 280.894 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 40, 14.836, 280.894 by changing the saturation by 10% instead.


 40, 14.836,
280.894


 40, 14.836,
280.894


 100, 14.836,
280.894


 30, 14.836,
280.894

 60, 14.836,
280.894


 20, 14.836,
280.894

 70, 14.836,
280.894


 10, 14.836,
280.894

 80, 14.836,
280.894

 0, 14.836, 280.894

 90, 14.836,
280.894

 40, 14.836,

 40, 14.836,

280.894

280.894

■ 36, 20.555,
282.654

■ 44, 9.260, 279.377

■ 33, 26.434,
284.694

■ 47, 3.820, 278.085

■ 51, 1.495, 96.832

■ 30, 32.491,
287.036

■ 54, 6.690, 95.910

■ 26, 38.739,
289.683

■ 58, 11.768, 95.054

■ 61, 16.734, 94.298

■ 23, 45.168,
292.594

■ 64, 21.592, 93.628

■ 20, 51.703,
295.663

■ 68, 26.343, 93.031

■ 71, 30.992, 92.496

■ 17, 58.166,
298.622

■ 17, 59.968,
299.353

Harmonies

Complementary

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



40, 14.836, 280.894



46, 14.575, 94.088

Rectangle

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



40, 14.836, 280.894



40, 14.836, 330.894



40, 14.836, 100.894



40, 14.836, 150.894

Sweetspot

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



40, 14.835, 280.892



60, 5.297, 278.209



47, 13.471, 175.831



30, 3.747, 278.362



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 14.835, 280.892



49, 22.517, 282.039



38, 19.952, 301.224



23, 3.000, 278.310



17, 61.872, 299.484



39, 110.550, 301.158

Inverse Universe

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



40, 14.592, 2.296



49, 22.210, 3.198



48, 18.883, 117.601



23, 2.903, 0.255



25, 51.557, 23.235



53, 89.449, 26.626

Previews

White Background



This preview shows how the CIE LCh color 40, 14.836, 280.894 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 × Fail

Black Background



This preview shows how the CIELCh color 40, 14.836, 280.894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

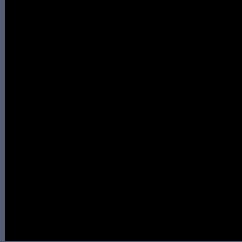
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

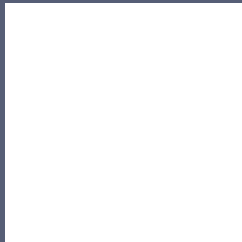
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 14.836, 280.894

Background



This preview shows how black text looks on a background with the CIELCh color 40, 14.836, 280.894.

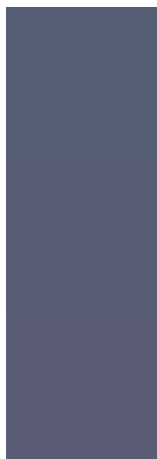


This preview shows how white text looks on a background with the CIELCh color 40, 14.836, 280.894.

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

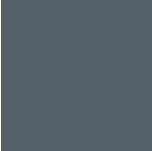
40, 14.836, 280.894

Protanopia

40, 14.714, 285.113

Deuteranopia

40, 15.875, 291.223



Tritanopia
40, 6.938, 243.831

Trichromacy



Original Color
40, 14.836, 280.894

Protanomaly
40, 14.756, 283.701

Deuteranomaly
40, 15.285, 286.887

Tritanomaly
40, 9.404, 264.851

Monochromacy



Original Color
40, 14.836, 280.894

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 5.596, 278.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 14.836, 280.894 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(86, 94, 118)` looks like.

```
.text, #text, p{  
    color:rgb(86, 94, 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(86, 94, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 94, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 14.836, 280.894 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(86, 94, 118) }
```

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

```
.border{ border-color:rgb(86, 94, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 94, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 94, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 94, 118);  
box-shadow:4px 4px 4px 4px rgb(86, 94,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 14.836, 280.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 94, 118) }
```

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

```
.background{ background-color: rgb(86, 94,  
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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