

Converting Colors

CIELCh(40, 16.556, 285.025)

Have a look what the booklet for
CIELCh(40, 16.556, 285.025)
contains.

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Color

CIELCh(40, 16.556, 285.025)

Conversions

Conversions Part 1

Format	Color
Hex	575D78
RGB	87, 93, 120
RGB Percent	34%, 36%, 47%
CMY	0.6582, 0.6347, 0.5287
CMYK	0.27, 0.22, 0.00, 0.53
HSL	229°, 16%, 41%
HSV	229°, 27%, 47%
XYZ	11.2744, 11.2510, 19.4004
YIQ	94.2840, -12.2430, 7.1250

Conversions

Conversions Part 2

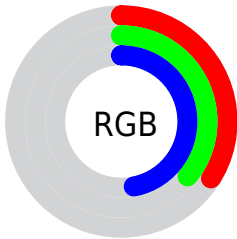
Format	Color
R _Y B	87, 92, 120
Decimal	5725560
CIE Lab	40.00, 4.29, -15.99
CIE LCh	40, 16.556, 285.025
Yxy	11.2510, 0.2689, 0.2684
Android (android.graphics.Color)	4283915640 (0xFF575D78)
YUV	94.2840, 12.6780, -6.3881
Hunter-Lab	33.5425, 1.2984, -10.8126

Details

The CIELCh color $40, 16.556, 285.025$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $48, 16.008, 98.477$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 16.482, 284.628$, and $20, 16.465, 284.844$ is the 20% darker color. If you saturate the color by 10%, you get $36, 22.937, 286.718$, and if you desaturate by 10%, it is $44, 10.373, 283.568$.

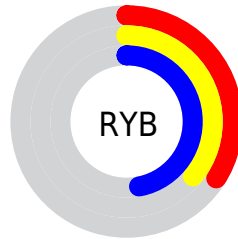
Distribution



 Red (34%)

 Green (36%)

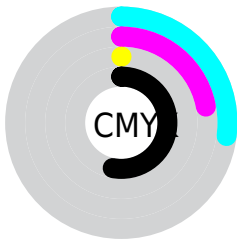
 Blue (47%)



 Red (34%)

 Yellow (36%)

 Blue (47%)

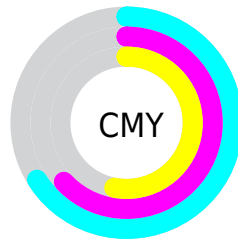


 Cyan (27%)

 Magenta (22%)

 Yellow (0%)

 Black (53%)



 Cyan (66%)


 Magenta (63%)


 Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 16.556, 285.025 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, 16.556, 285.025 by changing the saturation by 10% instead.


 40, 16.556,
285.025


 40, 16.556,
285.025


 100, 16.556,
285.025


 30, 16.556,
285.025

 60, 16.556,
285.025


 20, 16.556,
285.025

 70, 16.556,
285.025


 10, 16.556,
285.025

 80, 16.556,
285.025

 0, 16.556, 285.025

 90, 16.556,
285.025

 40, 16.556,

 40, 16.556,

285.025

■ 36, 22.937,
286.718

■ 32, 29.537,
288.678

■ 29, 36.370,
290.921

■ 25, 43.429,
293.435

■ 22, 50.651,
296.157

■ 18, 57.842,
298.948

■ 16, 64.625,
301.510

■ 15, 66.233,
302.048

285.025

■ 44, 10.373,
283.568

■ 48, 4.374, 282.324

■ 51, 1.455, 101.146

■ 55, 7.122, 100.261

■ 59, 12.639, 99.447

■ 63, 18.011, 98.732

■ 66, 23.245, 98.100

■ 70, 28.348, 97.541

■ 74, 33.324, 97.042

Harmonies

Complementary

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



40, 16.556, 285.025



48, 16.008, 98.477

Rectangle

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



40, 16.556, 285.025



40, 16.556, 335.025



40, 16.556, 105.025



40, 16.556, 155.025

Sweetspot

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



40, 16.555, 285.024



60, 5.794, 282.407



48, 13.165, 182.173



31, 4.157, 282.558



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



40, 16.555, 285.024



49, 24.811, 286.068



39, 20.690, 304.113



24, 3.356, 282.511



16, 68.357, 302.156



36, 120.202, 303.462

Inverse Universe

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



41, 14.743, 7.441



50, 22.181, 8.310



49, 19.668, 120.945



24, 2.932, 5.374



25, 54.486, 28.808



53, 94.327, 31.890

Previews

White Background



This preview shows how the CIE LCh color 40, 16.556, 285.025 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, 16.556, 285.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

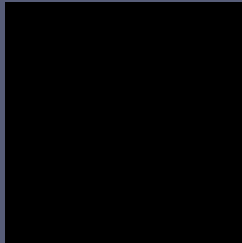
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

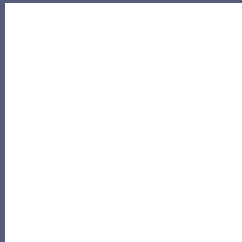
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 16.556, 285.025

Background



This preview shows how black text looks on a background with the CIELCh color 40, 16.556, 285.025.



This preview shows how white text looks on a background with the CIELCh color 40, 16.556, 285.025.

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

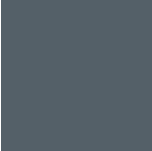
40, 16.556, 285.025

Protanopia

40, 16.556, 285.025

Deuteranopia

40, 17.096, 290.275



Tritanopia
40, 6.677, 246.128

Trichromacy



Original Color
40, 16.556, 285.025

Protanomaly
40, 16.556, 285.025

Deuteranomaly
40, 17.109, 289.054

Tritanomaly
40, 9.804, 268.603

Monochromacy



Original Color
40, 16.556, 285.025

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 6.135, 283.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 16.556, 285.025 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(87, 93, 120)` looks like.

```
.text, #text, p{  
    color:rgb(87, 93, 120)  
}
```

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(87, 93, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 93, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 16.556, 285.025 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(87, 93, 120) }
```

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

```
.border{ border-color:rgb(87, 93, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 93, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 93, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 93, 120);  
box-shadow:4px 4px 4px 4px rgb(87, 93,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 16.556, 285.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 93, 120) }
```

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

```
.background{ background-color: rgb(87, 93,  
120) }
```

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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