

Converting Colors

CIELCh(40, 23.925, 285.532)

Have a look what the booklet for
CIELCh(40, 23.925, 285.532)
contains.

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Color

CIELCh(40, 23.883, 285.484)

Conversions

Conversions Part 1

Format	Color
Hex	535D84
RGB	83, 93, 132
RGB Percent	33%, 36%, 52%
CMY	0.6758, 0.6366, 0.4837
CMYK	0.37, 0.30, 0.00, 0.48
HSL	228°, 23%, 42%
HSV	228°, 37%, 52%
XYZ	11.5637, 11.2510, 23.2656
YIQ	94.4560, -18.4790, 10.0090

Conversions

Conversions Part 2

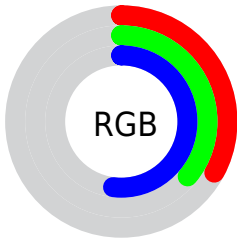
Format	Color
R _Y B	83, 91, 132
Decimal	5463428
CIE Lab	40.00, 6.38, -23.02
CIE LCh	40, 23.883, 285.484
Yxy	11.2510, 0.2509, 0.2442
Android (android.graphics.Color)	4283653508 (0xFF535D84)
YUV	94.4560, 18.5092, -10.0469
Hunter-Lab	33.5425, 2.8383, -17.6447

Details

The CIELCh color $40, 23.883, 285.484$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $51, 22.886, 95.907$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 23.831, 285.495$, and $20, 23.911, 286.133$ is the 20% darker color. If you saturate the color by 10%, you get $36, 30.776, 287.497$, and if you desaturate by 10%, it is $44, 17.207, 283.747$.

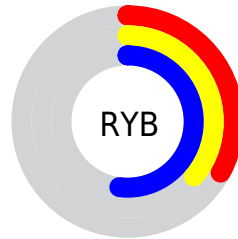
Distribution



Red (33%)

Green (36%)

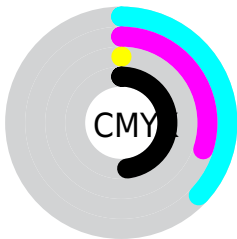
Blue (52%)



Red (33%)

Yellow (36%)

Blue (52%)

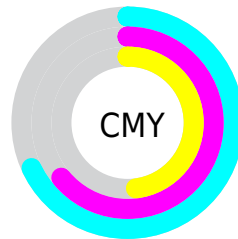


Cyan (37%)

Magenta (30%)

Yellow (0%)

Black (48%)



Cyan (68%)


Magenta (64%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 23.883, 285.484 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, 23.883, 285.484 by changing the saturation by 10% instead.

 40, 23.883,
285.484


 40, 23.883,
285.484

 100, 23.883,
285.484

 30, 23.883,
285.484

 60, 23.883,
285.484

 20, 23.883,
285.484

 70, 23.883,
285.484

 10, 23.883,
285.484

 80, 23.883,
285.484

 0, 23.883, 285.484

 90, 23.883,
285.484

 40, 23.883,

 40, 23.883,

285.484

285.484

■ 36, 30.776,
287.497

■ 44, 17.207,
283.747

■ 32, 37.905,
289.806

■ 48, 10.731,
282.255

■ 28, 45.273,
292.402

■ 52, 4.437, 280.983

■ 25, 52.828,
295.225

■ 56, 1.686, 99.776

■ 60, 7.648, 98.868

■ 21, 60.400,
298.141

■ 64, 13.457, 98.035

■ 18, 67.626,
300.877

■ 68, 19.121, 97.302

■ 72, 24.645, 96.655

■ 18, 69.530,
301.523

■ 76, 30.034, 96.081

Harmonies

Complementary

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



40, 23.883, 285.484



51, 22.886, 95.907

Rectangle

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



40, 23.883, 285.484



40, 23.883, 335.484



40, 23.883, 105.484



40, 23.883, 155.484

Sweetspot

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



40, 23.882, 285.484



64, 8.420, 281.471



51, 19.141, 178.531



33, 5.710, 281.614



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



40, 23.882, 285.484



47, 36.231, 287.242



38, 30.602, 303.788



26, 3.500, 281.211



17, 68.844, 301.489



0, 0.829, 280.142

Inverse Universe

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



41, 22.052, 7.170



49, 33.416, 8.693



53, 28.375, 119.042



26, 3.160, 3.669



26, 55.414, 27.335



0, 0.740, 2.916

Previews

White Background



This preview shows how the CIE LCh color 40, 23.883, 285.484 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, 23.883, 285.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

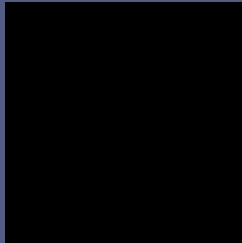
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

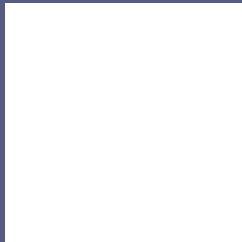
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 23.883, 285.484

Background



This preview shows how black text looks on a background with the CIELCh color 40, 23.883, 285.484.

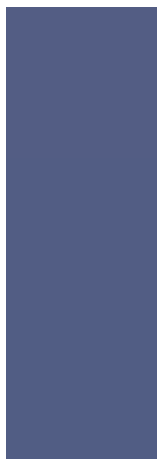


This preview shows how white text looks on a background with the CIELCh color 40, 23.883, 285.484.

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, 23.883, 285.484

Protanopia

40, 23.922, 284.708

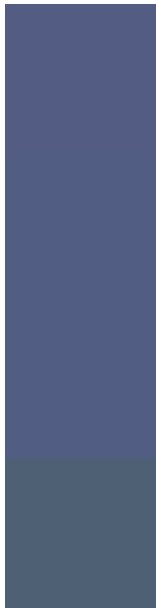
Deuteranopia

40, 23.964, 283.940



Tritanopia
40, 9.513, 229.547

Trichromacy



Original Color
40, 23.883, 285.484

Protanomaly
40, 23.922, 284.708

Deuteranomaly
40, 23.922, 284.708

Tritanomaly
40, 13.097, 261.728

Monochromacy



Original Color
40, 23.883, 285.484

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 8.643, 281.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 23.883, 285.484 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(83, 93, 132)` looks like.

```
.text, #text, p{  
    color:rgb(83, 93, 132)  
}
```

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(83, 93, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 93, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 23.883, 285.484 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(83, 93, 132) }
```

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

```
.border{ border-color:rgb(83, 93, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 93, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 93, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 93, 132);  
box-shadow:4px 4px 4px 4px rgb(83, 93,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 23.883, 285.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 93, 132) }
```

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

```
.background{ background-color: rgb(83, 93,  
132) }
```

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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