

Converting Colors

CIELCh(40, 6.935, 244.328)

Have a look what the booklet for
CIELCh(40, 6.935, 244.328) contains.

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Color

CIELCh(40, 6.938, 243.831)

Conversions

Conversions Part 1

Format	Color
Hex	536068
RGB	83, 96, 104
RGB Percent	33%, 38%, 41%
CMY	0.6738, 0.6228, 0.5914
CMYK	0.20, 0.08, 0.00, 0.59
HSL	203°, 11%, 37%
HSV	203°, 20%, 41%
XYZ	10.2922, 11.2510, 14.7767
YIQ	93.0250, -10.3160, -0.2680

Conversions

Conversions Part 2

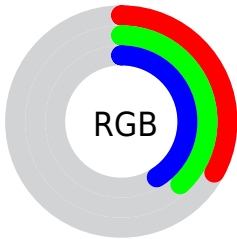
Format	Color
R_{YB}	83, 91, 104
Decimal	5464168
CIE Lab	40.00, -3.06, -6.23
CIE LCh	40, 6.938, 243.831
Yxy	11.2510, 0.2834, 0.3098
Android (android.graphics.Color)	4283654248 (0xFF536068)
YUV	93.0250, 5.4107, -8.7919
Hunter-Lab	33.5425, -3.9284, -2.6397

Details

The CIELCh color **40, 6.938, 243.831** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 7.568, 59.741**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 6.909, 246.690**, and **20, 6.782, 243.638** is the 20% darker color. If you saturate the color by 10%, you get **38, 10.196, 245.263**, and if you desaturate by 10%, it is **42, 3.550, 242.661**.

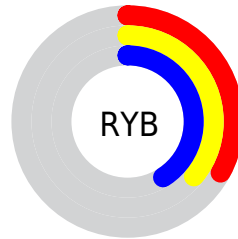
Distribution



Red (33%)

Green (38%)

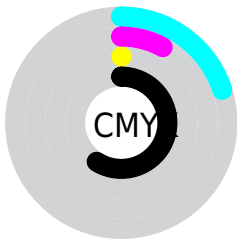
Blue (41%)



Red (33%)

Yellow (36%)

Blue (41%)

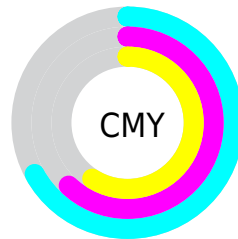


Cyan (20%)

Magenta (8%)

Yellow (0%)

Black (59%)



Cyan (67%)

Magenta (62%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 6.938, 243.831 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, 6.938, 243.831 by changing the saturation by 10% instead.

■ 40, 6.938, 243.831

■ 40, 6.938, 243.831

■ 100, 6.938,
243.831

■ 30, 6.938, 243.831

■ 60, 6.938, 243.831

■ 20, 6.938, 243.831

■ 70, 6.938, 243.831

■ 10, 6.938, 243.831

■ 80, 6.938, 243.831

■ 0, 6.938, 243.831

■ 90, 6.938, 243.831

■ 40, 6.938, 243.831

■ 40, 6.938, 243.831

■ 38, 10.196,
245.263

■ 42, 3.550, 242.661

■ 36, 13.299,

■ 44, 0.060, 246.339

247.019

46, 3.510, 60.674

34, 16.224,
249.150

48, 7.139, 60.020

32, 18.952,
251.722

50, 10.808, 59.447

31, 21.482,
254.797

52, 14.504, 58.955

29, 23.832,
258.415

57, 21.927, 58.169

27, 26.048,
262.574

59, 25.637, 57.853

26, 28.268,
266.631

Harmonies

Complementary

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



40, 6.938, 243.831



40, 7.568, 59.741

Rectangle

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



40, 6.938, 243.831



40, 6.938, 293.831



40, 6.938, 63.831



40, 6.938, 113.831

Sweetspot

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



40, 6.938, 243.823



55, 2.611, 242.292



42, 11.895, 155.633



28, 1.745, 242.328



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 6.938, 243.823



50, 10.148, 244.437



37, 11.290, 286.460



20, 1.931, 242.536



29, 30.504, 267.252



60, 55.261, 270.569

Inverse Universe

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



38, 11.919, 339.190



47, 17.605, 339.551



43, 10.957, 102.073



20, 3.235, 338.327



24, 49.294, 349.968



53, 84.548, 351.820

Previews

White Background



This preview shows how the CIELCh color 40, 6.938, 243.831 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 CIE LCh color 40, 6.938, 243.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

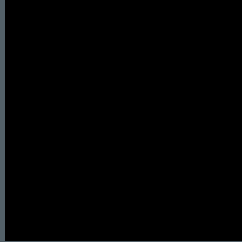
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

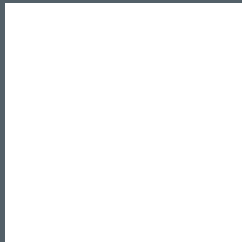
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 6.938, 243.831

Background



This preview shows how black text looks on a background with the CIELCh color 40, 6.938, 243.831.



This preview shows how white text looks on a background with the CIELCh color 40, 6.938, 243.831.

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

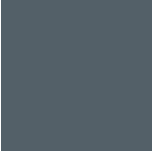
40, 6.938, 243.831

Protanopia

40, 5.497, 291.027

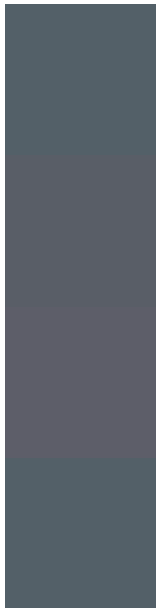
Deuteranopia

40, 8.333, 308.255



Tritanopia
40, 6.938, 243.831

Trichromacy



Original Color

40, 6.938, 243.831

Protanomaly

40, 5.801, 270.928

Deuteranomaly

40, 6.710, 287.794

Tritanomaly

40, 6.938, 243.831

Monochromacy



Original Color

40, 6.938, 243.831

Achromatopsia

39, 0.006, 296.813

Achromatomaly

40, 2.720, 241.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 6.938, 243.831 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, 96, 104)` looks like.

```
.text, #text, p{  
    color:rgb(83, 96, 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(83, 96, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 96, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 6.938, 243.831 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, 96, 104) }
```

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

```
.border{ border-color:rgb(83, 96, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 96, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 96, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 96, 104);  
box-shadow:4px 4px 4px 4px rgb(83, 96,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 6.938, 243.831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 96, 104) }
```

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

```
.background{ background-color: rgb(83, 96,  
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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