

Converting Colors

CIELCh(40, 13.357, 228.558)

Have a look what the booklet for
CIELCh(40, 13.357, 228.558)
contains.

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Color

CIELCh(40, 13.357, 228.558)

Conversions

Conversions Part 1

Format	Color
Hex	42636E
RGB	66, 99, 110
RGB Percent	26%, 39%, 43%
CMY	0.7405, 0.6111, 0.5679
CMYK	0.40, 0.10, 0.00, 0.57
HSL	195°, 25%, 35%
HSV	195°, 40%, 43%
XYZ	9.5613, 11.2510, 16.4705
YIQ	90.3870, -23.1990, -3.5750

Conversions

Conversions Part 2

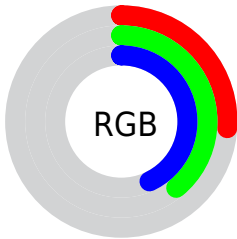
Format	Color
R_{YB}	66, 85, 110
Decimal	4350830
CIE _{Lab}	40.00, -8.84, -10.01
CIE _{LCh}	40, 13.357, 228.558
Yxy	11.2510, 0.2565, 0.3018
Android (android.graphics.Color)	4282540910 (0xFF42636E)
YUV	90.3870, 9.6692, -21.3874
Hunter-Lab	33.5425, -7.8180, -5.6337

Details

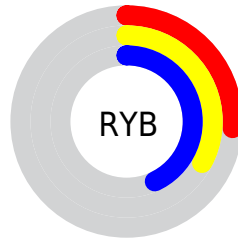
The CIELCh color **40, 13.357, 228.558** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 17.272, 44.289**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 13.469, 228.887**, and **20, 13.326, 228.670** is the 20% darker color. If you saturate the color by 10%, you get **39, 16.051, 229.969**, and if you desaturate by 10%, it is **42, 10.358, 227.456**.

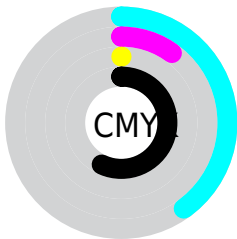
Distribution



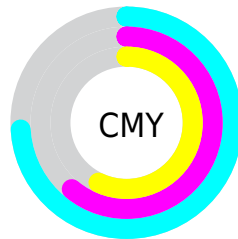
- Red (26%)
- Green (39%)
- Blue (43%)



- Red (26%)
- Yellow (33%)
- Blue (43%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (57%)





- Cyan (74%)
- Magenta (61%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 13.357, 228.558 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, 13.357, 228.558 by changing the saturation by 10% instead.


 40, 13.357,
228.558


 40, 13.357,
228.558


 100, 13.357,
228.558


 30, 13.357,
228.558

 60, 13.357,
228.558


 20, 13.357,
228.558


 70, 13.357,
228.558


 10, 13.357,
228.558

 80, 13.357,
228.558

 0, 13.357, 228.558

 90, 13.357,
228.558

 40, 13.357,

 40, 13.357,

228.558

228.558

■ 39, 16.051,
229.969

■ 42, 10.358,
227.456

■ 37, 18.400,
231.766

■ 43, 7.099, 226.615

■ 36, 20.378,
234.024

■ 45, 3.625, 226.005

■ 47, 0.022, 29.929

■ 35, 21.980,
236.820

■ 48, 3.803, 44.953

■ 33, 23.233,
240.216

■ 50, 7.688, 44.726

■ 52, 11.648, 44.547

■ 32, 24.355,
243.849

■ 54, 15.662, 44.421

■ 32, 24.362,
243.871

■ 56, 19.711, 44.340

Harmonies

Complementary

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



40, 13.357, 228.558



36, 17.272, 44.289

Rectangle

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



40, 13.357, 228.558



40, 13.357, 278.558



40, 13.357, 48.558



40, 13.357, 98.558

Sweetspot

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



40, 13.357, 228.555



57, 5.386, 226.128



43, 26.807, 149.190



29, 3.540, 226.177



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 13.357, 228.555



50, 19.139, 229.863



33, 20.980, 283.141



23, 2.087, 225.963



35, 25.925, 244.332



71, 44.940, 247.189

Inverse Universe

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



34, 26.987, 334.966



42, 39.659, 335.663



42, 20.374, 92.577



22, 3.849, 332.859



26, 54.969, 340.747



55, 92.978, 341.668

Previews

White Background



This preview shows how the CIE LCh color 40, 13.357, 228.558 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, 13.357, 228.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

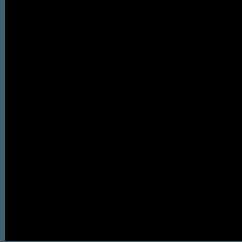
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 13.357, 228.558

Background



This preview shows how black text looks on a background with the CIELCh color 40, 13.357, 228.558.



This preview shows how white text looks on a background with the CIELCh color 40, 13.357, 228.558.

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, 13.357, 228.558

Protanopia

40, 7.941, 288.535

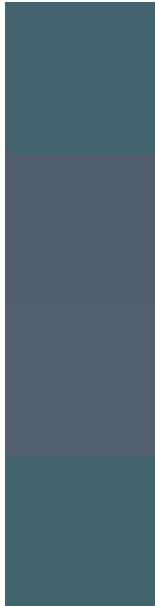
Deuteranopia

40, 12.259, 295.653



Tritanopia
40, 13.358, 219.588

Trichromacy



Original Color
40, 13.357, 228.558

Protanomaly
40, 9.046, 260.782

Deuteranomaly
40, 10.489, 268.196

Tritanomaly
40, 13.509, 222.183

Monochromacy



Original Color
40, 13.357, 228.558

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 5.330, 226.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 13.357, 228.558 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(66, 99, 110)` looks like.

```
.text, #text, p{  
    color:rgb(66, 99, 110)  
}
```

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(66, 99, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 99, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 13.357, 228.558 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(66, 99, 110) }
```

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

```
.border{ border-color:rgb(66, 99, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 99, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 99, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 99, 110);  
box-shadow:4px 4px 4px 4px rgb(66, 99,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 13.357, 228.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 99, 110) }
```

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

```
.background{ background-color: rgb(66, 99,  
110) }
```

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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