

Converting Colors

CIELCh(40, 13.845, 213.875)

Have a look what the booklet for
CIELCh(40, 13.845, 213.875)
contains.

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Color

CIELCh(40, 13.730, 213.464)

Conversions

Conversions Part 1

Format	Color
Hex	3F646A
RGB	63, 100, 106
RGB Percent	25%, 39%, 42%
CMY	0.7523, 0.6072, 0.5837
CMYK	0.41, 0.06, 0.00, 0.58
HSL	188°, 25%, 33%
HSV	188°, 41%, 42%
XYZ	9.2425, 11.2510, 15.3640
YIQ	89.6210, -23.9780, -5.9780

Conversions

Conversions Part 2

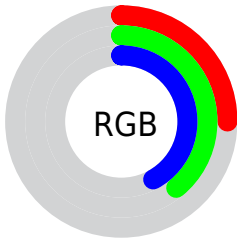
Format	Color
R_{YB}	63, 83, 106
Decimal	4154474
CIE _{Lab}	40.00, -11.45, -7.57
CIE _{LCh}	40, 13.730, 213.464
Yxy	11.2510, 0.2578, 0.3138
Android (android.graphics.Color)	4282344554 (0xFF3F646A)
YUV	89.6210, 8.0748, -23.3466
Hunter-Lab	33.5425, -9.5144, -3.6779

Details

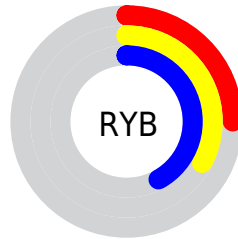
The CIELCh color **40, 13.730, 213.464** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 18.189, 33.858**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 13.715, 212.664**, and **20, 13.596, 214.858** is the 20% darker color. If you saturate the color by 10%, you get **39, 16.342, 214.029**, and if you desaturate by 10%, it is **41, 10.755, 213.086**.

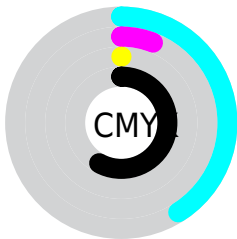
Distribution



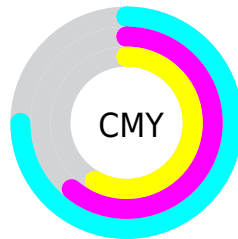
- Red (25%)
- Green (39%)
- Blue (42%)



- Red (25%)
- Yellow (33%)
- Blue (42%)



- Cyan (41%)
- Magenta (6%)
- Yellow (0%)
- Black (58%)





- Cyan (75%)
- Magenta (61%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 13.730, 213.464 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, 13.730, 213.464 by changing the saturation by 10% instead.


 40, 13.730,
213.464


 40, 13.730,
213.464


 100, 13.730,
213.464


 30, 13.730,
213.464

 60, 13.730,
213.464


 20, 13.730,
213.464

 70, 13.730,
213.464

 10, 13.730,
213.464

 80, 13.730,
213.464

 0, 13.730, 213.464

 90, 13.730,
213.464

 40, 13.730,

 40, 13.730,

213.464

213.464

■ 39, 16.342,
214.029

■ 41, 10.755,
213.086

■ 38, 18.542,
214.829

■ 42, 7.472, 212.871

■ 37, 20.293,
215.907

■ 44, 3.935, 212.808

■ 45, 0.194, 214.512

■ 36, 21.574,
217.314

■ 46, 3.705, 32.688

■ 36, 22.396,
219.099

■ 48, 7.723, 32.867

■ 49, 11.827, 33.058

■ 35, 22.989,
220.937

■ 51, 15.991, 33.274

■ 52, 20.191, 33.512

Harmonies

Complementary

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



40, 13.730, 213.464



33, 18.189, 33.858

Rectangle

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



40, 13.730, 213.464



40, 13.730, 263.464



40, 13.730, 33.464



40, 13.730, 83.464

Sweetspot

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



40, 13.730, 213.461



55, 5.539, 212.807



41, 28.726, 145.308



28, 3.638, 212.808



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, 13.730, 213.461



50, 19.645, 214.018



33, 17.785, 274.786



22, 2.128, 212.816



39, 24.665, 221.253



78, 42.335, 222.937

Inverse Universe

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



33, 28.611, 330.821



40, 42.265, 331.400



39, 18.228, 83.340



21, 4.003, 328.975



26, 58.625, 334.405



56, 100.266, 334.827

Previews

White Background



This preview shows how the CIE LCh color 40, 13.730, 213.464 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, 13.730, 213.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

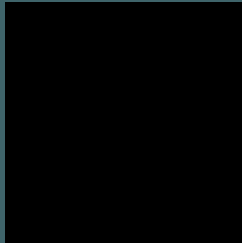
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 13.730, 213.464

Background



This preview shows how black text looks on a background with the CIELCh color 40, 13.730, 213.464.



This preview shows how white text looks on a background with the CIELCh color 40, 13.730, 213.464.

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, 13.730, 213.464

Protanopia

40, 5.497, 291.027

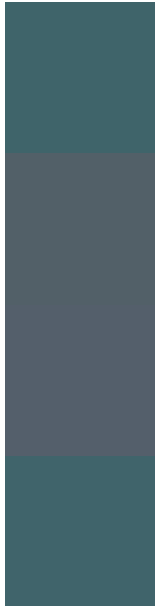
Deuteranopia

40, 9.929, 300.846



Tritanopia
40, 13.644, 219.084

Trichromacy



Original Color
40, 13.730, 213.464

Protanomaly
40, 7.208, 241.714

Deuteranomaly
40, 8.355, 260.695

Tritanomaly
40, 13.526, 216.485

Monochromacy



Original Color
40, 13.730, 213.464

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 5.718, 211.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 13.730, 213.464 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(63, 100, 106)` looks like.

```
.text, #text, p{  
    color:rgb(63, 100, 106)  
}
```

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(63, 100, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 100, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 13.730, 213.464 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(63, 100, 106) }
```

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

```
.border{ border-color:rgb(63, 100, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 100, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 100, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 100, 106);  
box-shadow:4px 4px 4px 4px rgb(63, 100,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 13.730, 213.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 100, 106) }
```

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

```
.background{ background-color: rgb(63, 100,  
106) }
```

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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