

Converting Colors

CIELCh(40, 13.648, 219.111)

Have a look what the booklet for
CIELCh(40, 13.648, 219.111)
contains.

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Color

CIELCh(40, 13.644, 219.084)

Conversions

Conversions Part 1

Format	Color
Hex	40646C
RGB	64, 100, 108
RGB Percent	25%, 39%, 42%
CMY	0.7496, 0.6084, 0.5770
CMYK	0.41, 0.07, 0.00, 0.58
HSL	191°, 26%, 34%
HSV	191°, 41%, 42%
XYZ	9.3470, 11.2510, 15.8250
YIQ	90.1480, -24.0240, -5.1440

Conversions

Conversions Part 2

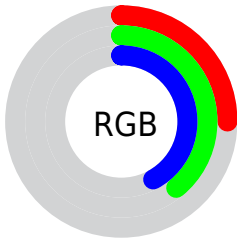
Format	Color
RYB	64, 84, 108
Decimal	4220012
CIELab	40.00, -10.59, -8.60
CIElCh	40, 13.644, 219.084
Yxy	11.2510, 0.2566, 0.3089
Android (android.graphics.Color)	4282410092 (0xFF40646C)
YUV	90.1480, 8.8010, -22.9318
Hunter-Lab	33.5425, -8.9584, -4.4927

Details

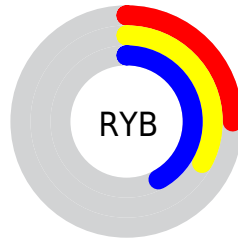
The CIELCh color **40, 13.644, 219.084** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 18.055, 37.681**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 13.614, 217.830**, and **20, 13.582, 221.224** is the 20% darker color. If you saturate the color by 10%, you get **39, 16.239, 219.989**, and if you desaturate by 10%, it is **41, 10.701, 218.418**.

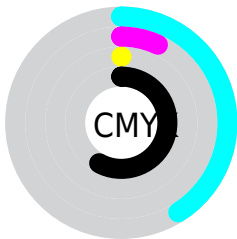
Distribution



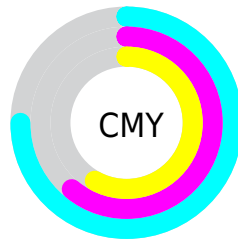
- Red (25%)
- Green (39%)
- Blue (42%)



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



- Cyan (41%)
- Magenta (7%)
- Yellow (0%)
- Black (58%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 13.644, 219.084 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, 13.644, 219.084 by changing the saturation by 10% instead.


 40, 13.644,
219.084


 40, 13.644,
219.084


 100, 13.644,
219.084


 30, 13.644,
219.084

 60, 13.644,
219.084


 20, 13.644,
219.084

 70, 13.644,
219.084


 10, 13.644,
219.084

 80, 13.644,
219.084

 0, 13.644, 219.084

 90, 13.644,
219.084

 40, 13.644,

 40, 13.644,

219.084

219.084

■ 39, 16.239,
219.989

■ 41, 10.701,
218.418

■ 38, 18.439,
221.194

■ 43, 7.463, 217.956

■ 37, 20.211,
222.759

■ 44, 3.979, 217.677

■ 45, 0.300, 218.556

■ 36, 21.540,
224.751

■ 47, 3.534, 37.193

■ 35, 22.442,
227.231

■ 49, 7.484, 37.220

■ 50, 11.519, 37.270

■ 34, 23.124,
229.675

■ 52, 15.615, 37.356

■ 53, 19.749, 37.472

Harmonies

Complementary

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



40, 13.644, 219.084



34, 18.055, 37.681

Rectangle

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



40, 13.644, 219.084



40, 13.644, 269.084



40, 13.644, 39.084



40, 13.644, 89.084

Sweetspot

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



40, 13.644, 219.081



56, 5.468, 217.707



42, 28.606, 146.308



29, 3.647, 217.727



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, 13.644, 219.081



50, 19.476, 219.941



33, 18.942, 277.513



22, 2.069, 217.650



37, 24.553, 230.029



75, 42.348, 232.281

Inverse Universe

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



33, 28.354, 332.356



41, 41.693, 332.971



40, 19.079, 86.109



21, 3.885, 330.384



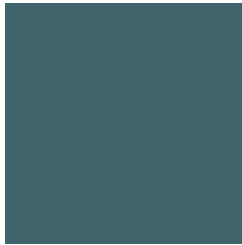
26, 56.828, 336.654



56, 97.032, 337.255

Previews

White Background



This preview shows how the CIE LCh color 40, 13.644, 219.084 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, 13.644, 219.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

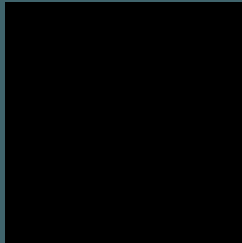
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

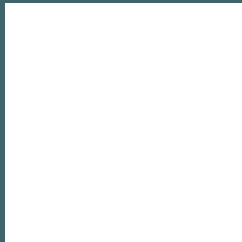
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 13.644, 219.084

Background



This preview shows how black text looks on a background with the CIELCh color 40, 13.644, 219.084.



This preview shows how white text looks on a background with the CIELCh color 40, 13.644, 219.084.

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, 13.644, 219.084

Protanopia

40, 6.718, 291.210

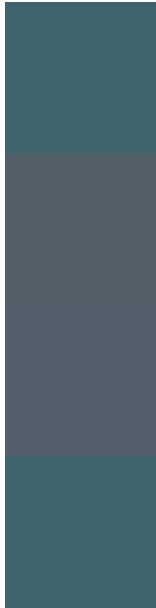
Deuteranopia

40, 11.134, 299.953



Tritanopia
40, 13.644, 219.084

Trichromacy



Original Color
40, 13.644, 219.084

Protanomaly
40, 7.798, 250.822

Deuteranomaly
40, 9.404, 264.851

Tritanomaly
40, 13.644, 219.084

Monochromacy



Original Color
40, 13.644, 219.084

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, 13.644, 219.084 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(64, 100, 108)` looks like.

```
.text, #text, p{  
    color:rgb(64, 100, 108)  
}
```

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(64, 100, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 100, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 13.644, 219.084 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(64, 100, 108) }
```

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

```
.border{ border-color:rgb(64, 100, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 100, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 100, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 100, 108);  
box-shadow:4px 4px 4px 4px rgb(64, 100,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 13.644, 219.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 100, 108) }
```

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

```
.background{ background-color: rgb(64, 100,  
108) }
```

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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