

Converting Colors

CIELCh(40, 13.127, 199.425)

Have a look what the booklet for
CIELCh(40, 13.127, 199.425)
contains.

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Color

CIELCh(40, 13.063, 200.528)

Conversions

Conversions Part 1

Format	Color
Hex	416465
RGB	65, 100, 101
RGB Percent	25%, 39%, 40%
CMY	0.7439, 0.6067, 0.6028
CMYK	0.36, 0.01, 0.00, 0.60
HSL	182°, 22%, 33%
HSV	182°, 36%, 40%
XYZ	9.1488, 11.2510, 14.0780
YIQ	89.6490, -21.1810, -7.1090

Conversions

Conversions Part 2

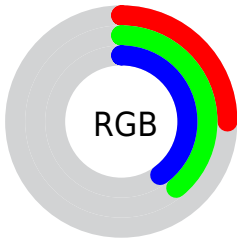
Format	Color
R_{YB}	65, 83, 101
Decimal	4285541
CIE _{Lab}	40.00, -12.23, -4.58
CIE _{LCh}	40, 13.063, 200.528
Yxy	11.2510, 0.2654, 0.3263
Android (android.graphics.Color)	4282475621 (0xFF416465)
YUV	89.6490, 5.5960, -21.6172
Hunter-Lab	33.5425, -10.0130, -1.4047

Details

The CIELCh color **40, 13.063, 200.528** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 16.510, 24.339**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 12.955, 200.764**, and **20, 13.120, 200.017** is the 20% darker color. If you saturate the color by 10%, you get **39, 16.037, 200.296**, and if you desaturate by 10%, it is **41, 9.733, 200.826**.

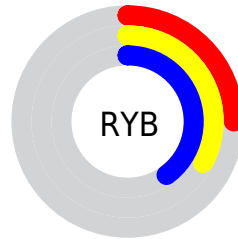
Distribution



Red (25%)

Green (39%)

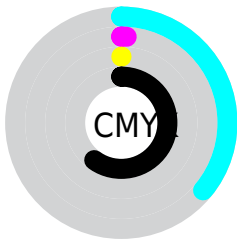
Blue (40%)



Red (25%)

Yellow (33%)

Blue (40%)

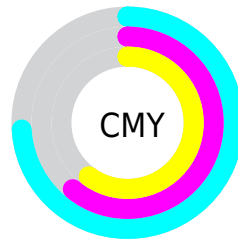


Cyan (36%)

Magenta (1%)

Yellow (0%)

Black (60%)



Cyan (74%)


Magenta (61%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 13.063, 200.528 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, 13.063, 200.528 by changing the saturation by 10% instead.


 40, 13.063,
200.528


 40, 13.063,
200.528


 100, 13.063,
200.528


 30, 13.063,
200.528

 60, 13.063,
200.528


 20, 13.063,
200.528

 70, 13.063,
200.528


 10, 13.063,
200.528

 80, 13.063,
200.528

 0, 13.063, 200.528

 90, 13.063,
200.528

 40, 13.063,

 40, 13.063,

200.528

■ 39, 16.037,
200.296

■ 39, 18.599,
200.147

■ 38, 20.708,
200.087

■ 38, 22.336,
200.122

■ 38, 23.477,
200.258

■ 38, 24.222,
200.479

■ 37, 24.537,
200.576

200.528

■ 41, 9.733, 200.826

■ 42, 6.102, 201.197

■ 42, 2.230, 201.693

■ 43, 1.830, 21.796

■ 44, 6.030, 22.395

■ 45, 10.329, 22.912

■ 47, 14.691, 23.432

■ 48, 19.088, 23.957

■ 49, 23.499, 24.486

Harmonies

Complementary

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



40, 13.063, 200.528



32, 16.510, 24.339

Rectangle

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



40, 13.063, 200.528



40, 13.063, 250.528



40, 13.063, 20.528



40, 13.063, 70.528

Sweetspot

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



40, 13.063, 200.525



54, 5.447, 201.380



39, 26.376, 142.484



27, 3.623, 201.340



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 13.063, 200.525



51, 19.001, 200.321



34, 13.058, 262.631



21, 2.254, 201.496



42, 26.788, 200.639



85, 46.357, 200.910

Inverse Universe

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



33, 26.165, 327.014



41, 39.158, 327.440



37, 14.193, 72.986



20, 4.151, 325.626



26, 62.781, 329.316



57, 108.738, 329.384

Previews

White Background



This preview shows how the CIE LCh color 40, 13.063, 200.528 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, 13.063, 200.528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

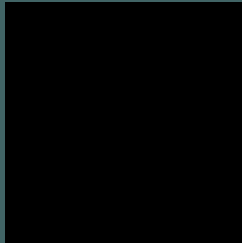
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 13.063, 200.528

Background



This preview shows how black text looks on a background with the CIELCh color 40, 13.063, 200.528.



This preview shows how white text looks on a background with the CIELCh color 40, 13.063, 200.528.

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, 13.063, 200.528

Protanopia

40, 2.593, 309.209

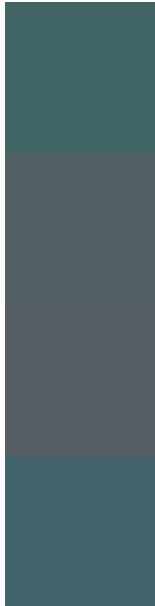
Deuteranopia

40, 8.065, 315.111



Tritanopia
40, 12.492, 221.289

Trichromacy



Original Color
40, 13.063, 200.528

Protanomaly
40, 5.100, 219.991

Deuteranomaly
40, 5.566, 260.873

Tritanomaly
40, 12.535, 215.140

Monochromacy



Original Color
40, 13.063, 200.528

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 5.277, 198.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 13.063, 200.528 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(65, 100, 101)` looks like.

```
.text, #text, p{  
    color:rgb(65, 100, 101)  
}
```

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(65, 100, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 100, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 13.063, 200.528 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(65, 100, 101) }
```

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

```
.border{ border-color:rgb(65, 100, 101) }
```

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

Here you see how a box with a 4 pixel rgb(65, 100, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 100, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 100, 101);  
box-shadow:4px 4px 4px 4px rgb(65, 100,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 13.063, 200.528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 100, 101) }
```

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

```
.background{ background-color: rgb(65, 100,  
101) }
```

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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