

Converting Colors

CIELCh(40, 9.448, 213.402)

Have a look what the booklet for
CIELCh(40, 9.448, 213.402) contains.

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Color

CIELCh(40, 9.448, 213.402)

Conversions

Conversions Part 1

Format	Color
Hex	4A6266
RGB	74, 98, 102
RGB Percent	29%, 38%, 40%
CMY	0.7082, 0.6141, 0.5984
CMYK	0.27, 0.04, 0.00, 0.60
HSL	189°, 16%, 35%
HSV	189°, 27%, 40%
XYZ	9.6793, 11.2510, 14.3387
YIQ	91.2800, -15.5880, -3.8440

Conversions

Conversions Part 2

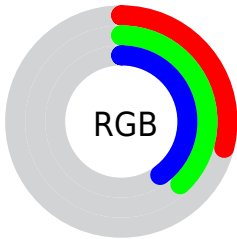
Format	Color
R_{YB}	74, 87, 102
Decimal	4874854
CIE Lab	40.00, -7.89, -5.20
CIE LCh	40, 9.448, 213.402
Yxy	11.2510, 0.2744, 0.3190
Android (android.graphics.Color)	4283064934 (0xFF4A6266)
YUV	91.2800, 5.2850, -15.1546
Hunter-Lab	33.5425, -7.1899, -1.8656

Details

The CIELCh color `40, 9.448, 213.402` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `36, 11.295, 33.506`, and the grayscale version is `39, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 9.691, 212.150`, and `20, 9.673, 209.999` is the 20% darker color. If you saturate the color by 10%, you get `39, 12.434, 213.735`, and if you desaturate by 10%, it is `41, 6.182, 213.214`.

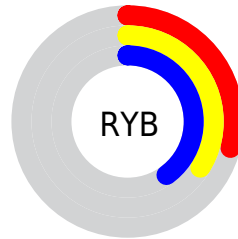
Distribution



Red (29%)

Green (38%)

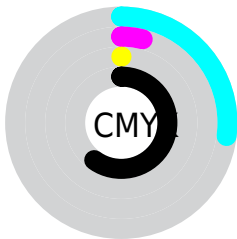
Blue (40%)



Red (29%)

Yellow (34%)

Blue (40%)

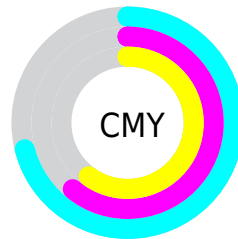


Cyan (27%)

Magenta (4%)

Yellow (0%)

Black (60%)



Cyan (71%)

Magenta (61%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 9.448, 213.402 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, 9.448, 213.402 by changing the saturation by 10% instead.

40, 9.448, 213.402

40, 9.448, 213.402

100, 9.448,
213.402

30, 9.448, 213.402

60, 9.448, 213.402

20, 9.448, 213.402

70, 9.448, 213.402

10, 9.448, 213.402

80, 9.448, 213.402

0, 9.448, 213.402

90, 9.448, 213.402

40, 9.448, 213.402

40, 9.448, 213.402

39, 12.434,
213.735

41, 6.182, 213.214

38, 15.089,

42, 2.688, 213.199

214.256

44, 0.988, 32.734

37, 17.361,
214.998

45, 4.803, 33.085

36, 19.212,
216.005

46, 8.723, 33.250

35, 20.615,
217.328

48, 12.718, 33.437

35, 21.569,
219.017

49, 16.763, 33.650

34, 22.217,
220.977

51, 20.839, 33.883

34, 22.392,
221.480

Harmonies

Complementary

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



40, 9.448, 213.402



36, 11.295, 33.506

Rectangle

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



40, 9.448, 213.402



40, 9.448, 263.402



40, 9.448, 33.402



40, 9.448, 83.402

Sweetspot

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



40, 9.448, 213.397



54, 3.609, 213.189



41, 18.926, 146.494



27, 2.537, 213.181



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, 9.448, 213.397



50, 13.765, 213.600



36, 11.578, 272.254



21, 2.038, 213.184



38, 24.256, 221.857



77, 41.966, 223.639

Inverse Universe

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



35, 18.842, 330.152



44, 28.054, 330.538



40, 11.774, 85.044



20, 3.833, 329.076



25, 57.585, 334.556



56, 99.224, 335.005

Previews

White Background



This preview shows how the CIELCh color 40, 9.448, 213.402 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, 9.448, 213.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

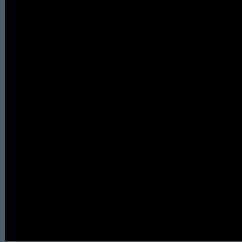
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

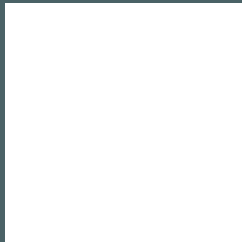
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 9.448, 213.402

Background



This preview shows how black text looks on a background with the CIELCh color 40, 9.448, 213.402.



This preview shows how white text looks on a background with the CIELCh color 40, 9.448, 213.402.

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, 9.448, 213.402

Protanopia

40, 3.695, 297.122

Deuteranopia

40, 8.623, 313.476



Tritanopia
40, 9.813, 228.470

Trichromacy



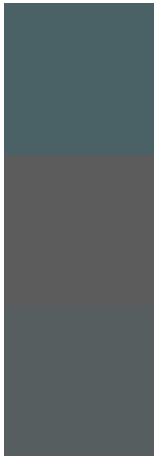
Original Color
40, 9.448, 213.402

Protanomaly
40, 4.380, 243.421

Deuteranomaly
40, 5.686, 274.697

Tritanomaly
40, 9.584, 225.063

Monochromacy



Original Color
40, 9.448, 213.402

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 3.459, 219.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 9.448, 213.402 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(74, 98, 102)` looks like.

```
.text, #text, p{  
    color:rgb(74, 98, 102)  
}
```

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(74, 98, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 98, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 9.448, 213.402 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(74, 98, 102) }
```

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

```
.border{ border-color:rgb(74, 98, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 98, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 98, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 98, 102);  
box-shadow:4px 4px 4px 4px rgb(74, 98,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 9.448, 213.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 98, 102) }
```

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

```
.background{ background-color: rgb(74, 98,  
102) }
```

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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