

Converting Colors

CIELCh(40, 8.478, 217.762)

Have a look what the booklet for
CIELCh(40, 8.478, 217.762) contains.

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Color

CIELCh(40, 8.420, 215.403)

Conversions

Conversions Part 1

Format	Color
Hex	4D6266
RGB	77, 98, 102
RGB Percent	30%, 38%, 40%
CMY	0.6984, 0.6160, 0.6003
CMYK	0.25, 0.04, 0.00, 0.60
HSL	190°, 14%, 35%
HSV	190°, 25%, 40%
XYZ	9.8072, 11.2510, 14.2025
YIQ	92.1770, -13.8000, -3.2080

Conversions

Conversions Part 2

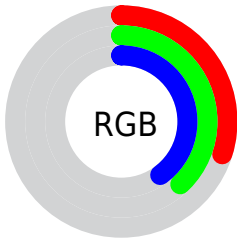
Format	Color
R_{YB}	77, 88, 102
Decimal	5071462
CIE Lab	40.00, -6.86, -4.88
CIE LCh	40, 8.420, 215.403
Yxy	11.2510, 0.2781, 0.3191
Android (android.graphics.Color)	4283261542 (0xFF4D6266)
YUV	92.1770, 4.8427, -13.3102
Hunter-Lab	33.5425, -6.5090, -1.6247

Details

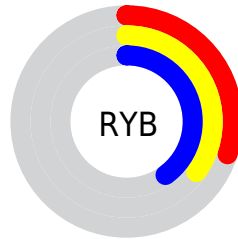
The CIELCh color **40, 8.420, 215.403** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **36, 9.854, 35.087**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 8.343, 214.503**, and **20, 8.355, 212.194** is the 20% darker color. If you saturate the color by 10%, you get **39, 11.448, 215.790**, and if you desaturate by 10%, it is **41, 5.134, 215.168**.

Distribution



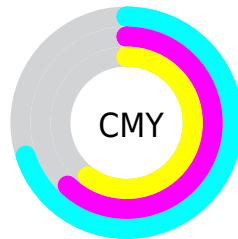
- Red (30%)
- Green (38%)
- Blue (40%)



- Red (30%)
- Yellow (35%)
- Blue (40%)



- Cyan (25%)
- Magenta (4%)
- Yellow (0%)
- Black (60%)



- Cyan (70%)
- Magenta (62%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 8.420, 215.403 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, 8.420, 215.403 by changing the saturation by 10% instead.

■ 40, 8.420, 215.403

■ 40, 8.420, 215.403

■ 100, 8.420,
215.403

■ 30, 8.420, 215.403

■ 60, 8.420, 215.403

■ 20, 8.420, 215.403

■ 70, 8.420, 215.403

■ 10, 8.420, 215.403

■ 80, 8.420, 215.403

■ 0, 8.420, 215.403

■ 90, 8.420, 215.403

■ 40, 8.420, 215.403

■ 40, 8.420, 215.403

■ 39, 11.448,
215.790

■ 41, 5.134, 215.168

■ 38, 14.168,

■ 43, 1.640, 215.172

216.374

44, 2.020, 34.757

37, 16.531,
217.189

45, 5.806, 34.897

36, 18.492,
218.283

47, 9.685, 35.009

35, 20.025,
219.711

48, 13.632, 35.150

34, 21.120,
221.531

51, 21.641, 35.509

33, 21.843,
223.738

53, 25.671, 35.714

33, 22.224,
224.935

Harmonies

Complementary

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



40, 8.420, 215.403



36, 9.854, 35.087

Rectangle

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



40, 8.420, 215.403



40, 8.420, 265.403



40, 8.420, 35.403



40, 8.420, 85.403

Sweetspot

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



40, 8.420, 215.397



54, 3.128, 215.122



41, 16.702, 147.242



27, 2.014, 215.121



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, 8.420, 215.397



51, 12.142, 215.584



36, 10.528, 273.155



20, 2.014, 215.118



37, 24.164, 225.384



76, 41.880, 227.408

Inverse Universe

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



36, 16.631, 330.566



45, 24.400, 330.883



40, 10.632, 86.818



20, 3.787, 329.640



25, 56.861, 335.448



55, 97.908, 335.968

Previews

White Background



This preview shows how the CIELCh color 40, 8.420, 215.403 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, 8.420, 215.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

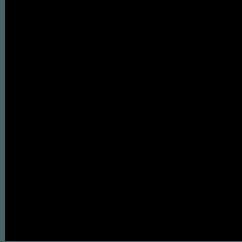
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

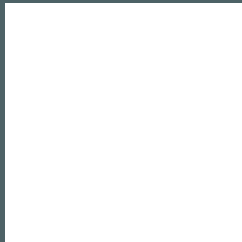
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 8.420, 215.403

Background



This preview shows how black text looks on a background with the CIELCh color 40, 8.420, 215.403.



This preview shows how white text looks on a background with the CIELCh color 40, 8.420, 215.403.

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

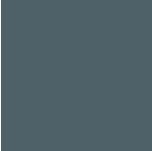
40, 8.420, 215.403

Protanopia

40, 3.695, 297.122

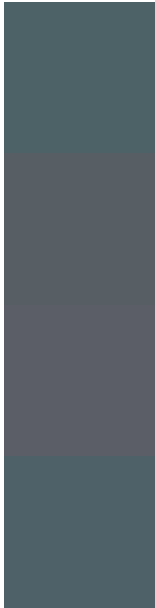
Deuteranopia

40, 8.065, 315.111



Tritanopia
40, 8.628, 233.292

Trichromacy



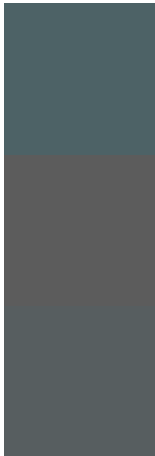
Original Color
40, 8.420, 215.403

Protanomaly
40, 4.107, 247.280

Deuteranomaly
40, 5.596, 278.622

Tritanomaly
40, 8.348, 229.567

Monochromacy



Original Color
40, 8.420, 215.403

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 3.089, 222.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 8.420, 215.403 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(77, 98, 102)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 98, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 98, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 8.420, 215.403 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(77, 98, 102) }
```

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

```
.border{ border-color:rgb(77, 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(77, 98, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 98, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 98, 102);  
box-shadow:4px 4px 4px 4px rgb(77, 98,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 8.420, 215.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 98, 102) }
```

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

```
.background{ background-color: rgb(77, 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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