

Converting Colors

CIELCh(40, 9.991, 251.701)

Have a look what the booklet for
CIELCh(40, 9.991, 251.701) contains.

CIELCh(40, 9.809, 253.216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(40, 9.809, 253.216)

Conversions

Conversions Part 1

Format	Color
Hex	50606D
RGB	80, 96, 109
RGB Percent	31%, 38%, 43%
CMY	0.6851, 0.6223, 0.5713
CMYK	0.27, 0.12, 0.00, 0.57
HSL	207°, 15%, 37%
HSV	207°, 27%, 43%
XYZ	10.3217, 11.2510, 16.1840
YIQ	92.6980, -13.7090, 0.6510

Conversions

Conversions Part 2

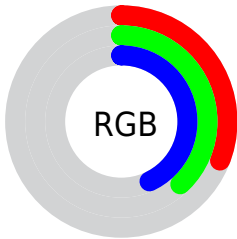
Format	Color
R _Y B	80, 90, 109
Decimal	5267565
CIE Lab	40.00, -2.83, -9.39
CIE LCh	40, 9.809, 253.216
Yxy	11.2510, 0.2734, 0.2980
Android (android.graphics.Color)	4283457645 (0xFF50606D)
YUV	92.6980, 8.0369, -11.1361
Hunter-Lab	33.5425, -3.7715, -5.1272

Details

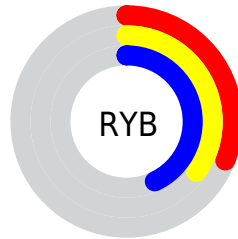
The CIELCh color **40, 9.809, 253.216** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 10.735, 66.744**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 9.671, 254.263**, and **20, 10.049, 253.609** is the 20% darker color. If you saturate the color by 10%, you get **38, 13.340, 255.035**, and if you desaturate by 10%, it is **42, 6.177, 251.691**.

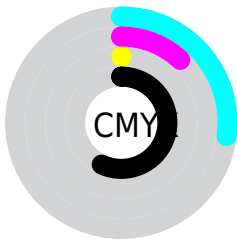
Distribution



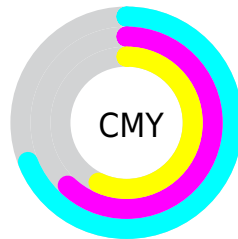
- Red (31%)
- Green (38%)
- Blue (43%)



- Red (31%)
- Yellow (35%)
- Blue (43%)



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)
- Black (57%)



- Cyan (69%)
- Magenta (62%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 9.809, 253.216 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, 9.809, 253.216 by changing the saturation by 10% instead.

■ 40, 9.809, 253.216

■ 40, 9.809, 253.216

■ 100, 9.809,
253.216

■ 30, 9.809, 253.216

■ 60, 9.809, 253.216

■ 20, 9.809, 253.216

■ 70, 9.809, 253.216

■ 10, 9.809, 253.216

■ 80, 9.809, 253.216

■ 0, 9.809, 253.216

■ 90, 9.809, 253.216

■ 40, 9.809, 253.216

■ 40, 9.809, 253.216

■ 38, 13.340,
255.035

■ 42, 6.177, 251.691

■ 36, 16.756,

■ 45, 2.465, 250.461

257.212

47, 1.307, 69.059

33, 20.045,
259.800

49, 5.123, 68.277

31, 23.209,
262.849

52, 8.967, 67.501

29, 26.269,
266.389

54, 12.824, 66.822

27, 29.268,
270.401

56, 16.686, 66.229

26, 32.298,
274.637

59, 20.541, 65.708

25, 33.389,
275.977

Harmonies

Complementary

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



40, 9.809, 253.216



41, 10.735, 66.744

Rectangle

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



40, 9.809, 253.216



40, 9.809, 303.216



40, 9.809, 73.216



40, 9.809, 123.216

Sweetspot

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



40, 9.808, 253.211



57, 3.749, 250.642



44, 15.462, 158.071



29, 2.643, 250.780



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, 9.808, 253.211



50, 14.614, 254.329



36, 16.849, 290.455



21, 2.078, 250.723



27, 35.348, 276.395



56, 64.071, 279.423

Inverse Universe

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



38, 15.653, 343.097



47, 23.536, 343.699



45, 16.013, 104.790



21, 3.215, 341.588



24, 48.630, 355.604



53, 82.987, 357.905

Previews

White Background



This preview shows how the CIELCh color 40, 9.809, 253.216 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, 9.809, 253.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

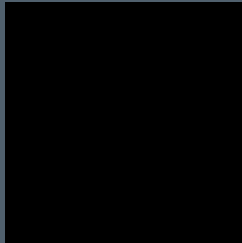
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

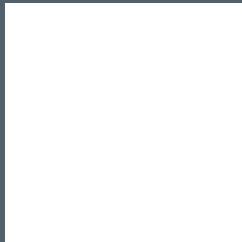
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 9.809, 253.216

Background



This preview shows how black text looks on a background with the CIELCh color 40, 9.809, 253.216.



This preview shows how white text looks on a background with the CIELCh color 40, 9.809, 253.216.

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

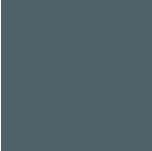
40, 9.809, 253.216

Protanopia

40, 8.549, 288.841

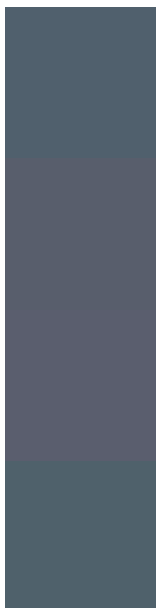
Deuteranopia

40, 11.081, 297.935



Tritanopia
40, 8.334, 234.724

Trichromacy



Original Color
40, 9.809, 253.216

Protanomaly
40, 8.797, 276.099

Deuteranomaly
40, 9.840, 282.597

Tritanomaly
40, 9.018, 241.536

Monochromacy



Original Color
40, 9.809, 253.216

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 3.860, 251.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 9.809, 253.216 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(80, 96, 109)` looks like.

```
.text, #text, p{  
    color:rgb(80, 96, 109)  
}
```

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(80, 96, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 96, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 9.809, 253.216 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(80, 96, 109) }
```

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

```
.border{ border-color:rgb(80, 96, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 96, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 96, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 96, 109);  
box-shadow:4px 4px 4px 4px rgb(80, 96,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 9.809, 253.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 96, 109) }
```

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

```
.background{ background-color: rgb(80, 96,  
109) }
```

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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