

Converting Colors

CIELCh(40, 8.920, 198.619)

Have a look what the booklet for
CIELCh(40, 8.920, 198.619) contains.

CIELCh(40, 9.006, 198.313)	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, 9.006, 198.313)

Conversions

Conversions Part 1

Format	Color
Hex	4C6363
RGB	76, 99, 99
RGB Percent	30%, 39%, 39%
CMY	0.7036, 0.6135, 0.6135
CMYK	0.23, 0.00, 0.00, 0.61
HSL	180°, 13%, 34%
HSV	180°, 23%, 39%
XYZ	9.5971, 11.2510, 13.3594
YIQ	92.1230, -13.7080, -4.8760

Conversions

Conversions Part 2

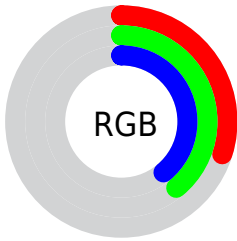
Format	Color
R_{YB}	76, 88, 99
Decimal	5006179
CIE Lab	40.00, -8.55, -2.83
CIE LCh	40, 9.006, 198.313
Yxy	11.2510, 0.2806, 0.3289
Android (android.graphics.Color)	4283196259 (0xFF4C6363)
YUV	92.1230, 3.3904, -14.1399
Hunter-Lab	33.5425, -7.6271, -0.1344

Details

The CIELCh color **40, 9.006, 198.313** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 10.401, 21.002**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 9.244, 198.589**, and **20, 8.676, 202.334** is the 20% darker color. If you saturate the color by 10%, you get **39, 12.436, 197.877**, and if you desaturate by 10%, it is **41, 5.292, 198.796**.

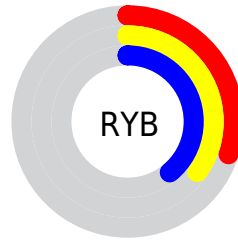
Distribution



Red (30%)

Green (39%)

Blue (39%)



Red (30%)

Yellow (35%)

Blue (39%)

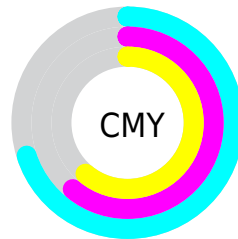


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (61%)



Cyan (70%)

Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 9.006, 198.313 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, 9.006, 198.313 by changing the saturation by 10% instead.

40, 9.006, 198.313

40, 9.006, 198.313

100, 9.006,
198.313

30, 9.006, 198.313

60, 9.006, 198.313

20, 9.006, 198.313

70, 9.006, 198.313

10, 9.006, 198.313

80, 9.006, 198.313

0, 9.006, 198.313

90, 9.006, 198.313

40, 9.006, 198.313

40, 9.006, 198.313

39, 12.436,
197.877

41, 5.292, 198.796

39, 15.523,

42, 1.351, 199.476

197.498

42, 2.765, 19.640

38, 18.216,
197.174

43, 7.008, 20.263

38, 20.469,
196.907

44, 11.337, 20.848

38, 22.253,
196.698

45, 15.717, 21.434

38, 23.561,
196.546

48, 24.529, 22.611

37, 24.437,
196.445

49, 28.923, 23.197

37, 24.964,
196.384

Harmonies

Complementary

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



40, 9.006, 198.313



35, 10.401, 21.002

Rectangle

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



40, 9.006, 198.313



40, 9.006, 248.313



40, 9.006, 18.313



40, 9.006, 68.313

Sweetspot

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



40, 9.006, 198.308



53, 3.486, 199.149



39, 17.059, 142.618



27, 2.244, 199.130



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 9.006, 198.308



51, 13.123, 198.065



37, 8.173, 256.735



20, 2.221, 199.045



42, 27.356, 196.384



86, 47.822, 196.384

Inverse Universe

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



35, 10.401, 21.002



43, 15.736, 21.543



38, 8.714, 70.943



18, 2.339, 19.836



22, 54.832, 37.108



50, 99.789, 40.000

Previews

White Background



This preview shows how the CIELCh color 40, 9.006, 198.313 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, 9.006, 198.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

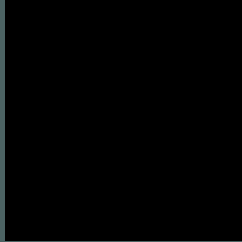
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

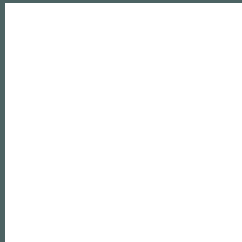
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 9.006, 198.313

Background



This preview shows how black text looks on a background with the CIELCh color 40, 9.006, 198.313.



This preview shows how white text looks on a background with the CIELCh color 40, 9.006, 198.313.

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, 9.006, 198.313

Protanopia

40, 1.298, 309.099

Deuteranopia

40, 6.671, 324.879



Tritanopia
40, 8.960, 227.138

Trichromacy



Original Color
40, 9.006, 198.313

Protanomaly
40, 3.309, 209.722

Deuteranomaly
40, 3.267, 268.684

Tritanomaly
40, 8.896, 218.610

Monochromacy



Original Color
40, 9.006, 198.313

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 3.289, 199.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 9.006, 198.313 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(76, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(76, 99, 99)  
}
```

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(76, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 99, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 9.006, 198.313 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(76, 99, 99) }
```

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

```
.border{ border-color:rgb(76, 99, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 99, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(76, 99, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 9.006, 198.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 99, 99) }
```

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

```
.background{ background-color: rgb(76, 99,  
99) }
```

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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