

Converting Colors

CIELCh(40, 9.697, 198.409)

Have a look what the booklet for
CIELCh(40, 9.697, 198.409) contains.

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Color

CIELCh(40, 9.727, 198.221)

Conversions

Conversions Part 1

Format	Color
Hex	4A6363
RGB	74, 99, 99
RGB Percent	29%, 39%, 39%
CMY	0.7103, 0.6122, 0.6122
CMYK	0.25, 0.00, 0.00, 0.61
HSL	180°, 14%, 34%
HSV	180°, 25%, 39%
XYZ	9.5121, 11.2510, 13.4449
YIQ	91.5250, -14.9000, -5.3000

Conversions

Conversions Part 2

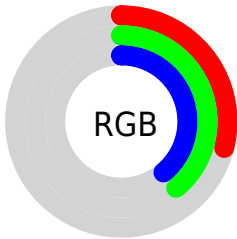
Format	Color
R_{YB}	74, 87, 99
Decimal	4875107
CIE Lab	40.00, -9.24, -3.04
CIE LCh	40, 9.727, 198.221
Yxy	11.2510, 0.2781, 0.3289
Android (android.graphics.Color)	4283065187 (0xFF4A6363)
YUV	91.5250, 3.6852, -15.3694
Hunter-Lab	33.5425, -8.0794, -0.2857

Details

The CIELCh color **40, 9.727, 198.221** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 11.384, 21.186**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 9.944, 198.521**, and **20, 9.366, 201.875** is the 20% darker color. If you saturate the color by 10%, you get **39, 13.103, 197.795**, and if you desaturate by 10%, it is **41, 6.055, 198.692**.

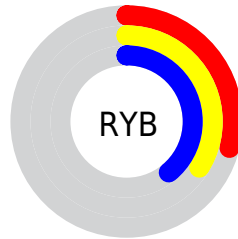
Distribution



Red (29%)

Green (39%)

Blue (39%)



Red (29%)

Yellow (34%)

Blue (39%)

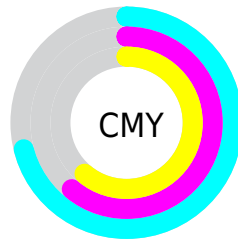


Cyan (25%)

Magenta (0%)

Yellow (0%)

Black (61%)



Cyan (71%)

Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 9.727, 198.221 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, 9.727, 198.221 by changing the saturation by 10% instead.

■ 40, 9.727, 198.221

■ 40, 9.727, 198.221

■ 100, 9.727,
198.221

■ 30, 9.727, 198.221

■ 60, 9.727, 198.221

■ 20, 9.727, 198.221

■ 70, 9.727, 198.221

■ 10, 9.727, 198.221

■ 80, 9.727, 198.221

■ 0, 9.727, 198.221

■ 90, 9.727, 198.221

■ 40, 9.727, 198.221

■ 40, 9.727, 198.221

■ 39, 13.103,
197.795

■ 41, 6.055, 198.692

■ 39, 16.125,

■ 41, 2.143, 199.284

197.427

42, 1.954, 19.483

38, 18.741,
197.114

43, 6.187, 20.145

38, 20.909,
196.858

44, 10.514, 20.732

38, 22.603,
196.660

45, 14.898, 21.318

38, 23.821,
196.519

47, 19.312, 21.906

38, 24.649,
196.423

48, 23.733, 22.496

37, 25.022,
196.380

Harmonies

Complementary

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



40, 9.727, 198.221



34, 11.384, 21.186

Rectangle

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



40, 9.727, 198.221



40, 9.727, 248.221



40, 9.727, 18.221



40, 9.727, 68.221

Sweetspot

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



40, 9.727, 198.216



53, 3.975, 199.081



39, 18.542, 142.477



26, 2.793, 199.013



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, 9.727, 198.216



51, 13.959, 197.975



36, 8.870, 257.053



20, 2.221, 199.043



42, 27.357, 196.380



86, 47.823, 196.380

Inverse Universe

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



34, 11.384, 21.186



42, 16.983, 21.763



37, 9.514, 70.721



18, 2.339, 19.834



22, 54.831, 37.107



50, 99.788, 39.999

Previews

White Background



This preview shows how the CIELCh color 40, 9.727, 198.221 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, 9.727, 198.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

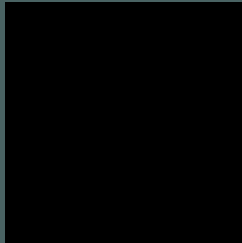
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 9.727, 198.221

Background



This preview shows how black text looks on a background with the CIELCh color 40, 9.727, 198.221.



This preview shows how white text looks on a background with the CIELCh color 40, 9.727, 198.221.

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, 9.727, 198.221

Protanopia

40, 2.025, 314.739

Deuteranopia

40, 6.671, 324.879



Tritanopia
40, 9.813, 228.470

Trichromacy



Original Color
40, 9.727, 198.221

Protanomaly
40, 3.454, 219.844

Deuteranomaly
40, 3.837, 272.252

Tritanomaly
40, 9.229, 217.817

Monochromacy



Original Color
40, 9.727, 198.221

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 3.691, 199.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 9.727, 198.221 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, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(74, 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(74, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 99, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 9.727, 198.221 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, 99, 99) }
```

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

```
.border{ border-color:rgb(74, 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(74, 99, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(74, 99, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 9.727, 198.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 99, 99) }
```

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

```
.background{ background-color: rgb(74, 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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