

Converting Colors

CIELCh(40, 10.363, 204.972)

Have a look what the booklet for
CIELCh(40, 10.363, 204.972)
contains.

CIELCh(40, 10.372, 204.969)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 10.372, 204.969)

Conversions

Conversions Part 1

Format	Color
Hex	486365
RGB	72, 99, 101
RGB Percent	28%, 39%, 40%
CMY	0.7175, 0.6116, 0.6038
CMYK	0.29, 0.02, 0.00, 0.60
HSL	184°, 17%, 34%
HSV	184°, 29%, 40%
XYZ	9.4921, 11.2510, 13.9937
YIQ	91.1550, -16.7340, -5.1020

Conversions

Conversions Part 2

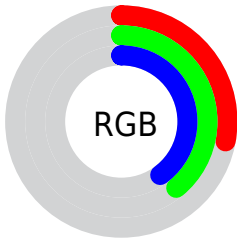
Format	Color
R_{YB}	72, 86, 101
Decimal	4744037
CIE Lab	40.00, -9.40, -4.38
CIE LCh	40, 10.372, 204.969
Yxy	11.2510, 0.2733, 0.3239
Android (android.graphics.Color)	4282934117 (0xFF486365)
YUV	91.1550, 4.8536, -16.7989
Hunter-Lab	33.5425, -8.1861, -1.2556




Details

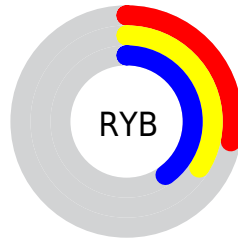
The CIELCh color $40, 10.372, 204.969$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $34, 12.508, 26.960$, and the grayscale version is $39, 0.006, 296.813$.




A 20% lighter version of the original color is $60, 10.602, 204.627$, and $20, 10.297, 205.211$ is the 20% darker color. If you saturate the color by 10%, you get $39, 13.459, 204.893$, and if you desaturate by 10%, it is $41, 6.979, 205.134$.

Distribution







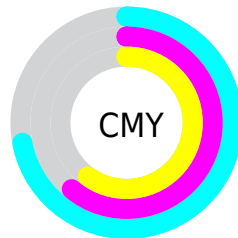
-  Red (28%)
-  Green (39%)
-  Blue (40%)






-  Red (28%)
-  Yellow (34%)
-  Blue (40%)



-  Cyan (29%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (60%)





-  Cyan (72%)
-  Magenta (61%)
-  Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 10.372, 204.969 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, 10.372, 204.969 by changing the saturation by 10% instead.


 40, 10.372,
204.969


 40, 10.372,
204.969


 100, 10.372,
204.969


 30, 10.372,
204.969

 60, 10.372,
204.969


 20, 10.372,
204.969


 70, 10.372,
204.969

 10, 10.372,
204.969

 80, 10.372,
204.969

 0, 10.372, 204.969

 90, 10.372,
204.969

 40, 10.372,

 40, 10.372,

204.969

204.969

■ 39, 13.459,
204.893

■ 41, 6.979, 205.134

■ 38, 16.185,
204.931

■ 42, 3.334, 205.414

■ 38, 18.498,
205.098

■ 43, 0.509, 24.933

■ 37, 20.358,
205.413

■ 44, 4.503, 25.855

■ 37, 21.742,
205.895

■ 45, 8.609, 26.259

■ 36, 22.651,
206.564

■ 47, 12.791, 26.665

■ 36, 23.282,
207.339

■ 48, 17.022, 27.083

■ 36, 23.365,
207.436

■ 49, 21.278, 27.510

■ 51, 25.543, 27.942

Harmonies

Complementary

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



40, 10.372, 204.969



34, 12.508, 26.960

Rectangle

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



40, 10.372, 204.969



40, 10.372, 254.969



40, 10.372, 24.969



40, 10.372, 74.969

Sweetspot

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



40, 10.372, 204.964



54, 4.306, 205.393



40, 20.582, 144.420



27, 2.960, 205.356



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, 10.372, 204.964



51, 15.006, 204.907



36, 11.134, 266.453



21, 2.167, 205.405



41, 25.541, 207.615



82, 44.106, 208.367

Inverse Universe

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



35, 20.565, 327.872



43, 30.382, 328.207



38, 11.632, 78.787



20, 4.035, 326.797



26, 60.863, 331.049



56, 105.217, 331.233

Previews

White Background



This preview shows how the CIELCh color 40, 10.372, 204.969 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 CIELCh color 40, 10.372, 204.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

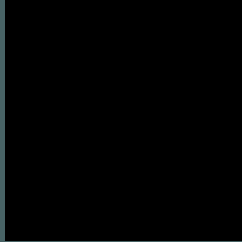
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

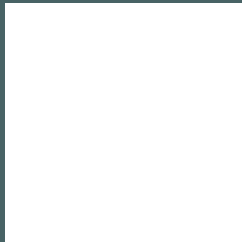
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 10.372, 204.969

Background



This preview shows how black text looks on a background with the CIELCh color 40, 10.372, 204.969.



This preview shows how white text looks on a background with the CIELCh color 40, 10.372, 204.969.

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, 10.372, 204.969

Protanopia
40, 3.176, 305.720

Deuteranopia
40, 8.065, 315.111



Tritanopia
40, 10.415, 226.520

Trichromacy



Original Color
40, 10.372, 204.969

Protanomaly
40, 4.003, 236.796

Deuteranomaly
40, 5.236, 268.457

Tritanomaly
40, 10.033, 219.883

Monochromacy



Original Color
40, 10.372, 204.969

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 4.106, 207.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 10.372, 204.969 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(72, 99, 101)` looks like.

```
.text, #text, p{  
    color:rgb(72, 99, 101)  
}
```

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(72, 99, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 99, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 10.372, 204.969 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(72, 99, 101) }
```

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

```
.border{ border-color:rgb(72, 99, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 99, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 99, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 99, 101);  
box-shadow:4px 4px 4px 4px rgb(72, 99,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 10.372, 204.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 99, 101) }
```

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

```
.background{ background-color: rgb(72, 99,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor