

Converting Colors

CIELCh(40, 39.289, 270.640)

Have a look what the booklet for
CIELCh(40, 39.289, 270.640)
contains.

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Color

CIELCh(40, 38.908, 269.991)

Conversions

Conversions Part 1

Format	Color
Hex	0F629E
RGB	15, 98, 158
RGB Percent	6%, 38%, 62%
CMY	0.9401, 0.6167, 0.3815
CMYK	0.90, 0.38, 0.00, 0.38
HSL	205°, 82%, 34%
HSV	205°, 90%, 62%
XYZ	10.6929, 11.2510, 33.8299
YIQ	80.0230, -68.7280, 1.0640

Conversions

Conversions Part 2

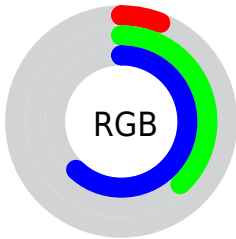
Format	Color
R_{YB}	15, 68, 158
Decimal	1008286
CIE _{Lab}	40.00, -0.01, -38.91
CIE _{LCh}	40, 38.908, 269.991
Yxy	11.2510, 0.1917, 0.2017
Android (android.graphics.Color)	4279198366 (0xFF0F629E)
YUV	80.0230, 38.4427, -57.0252
Hunter-Lab	33.5425, -1.7959, -36.3183

Details

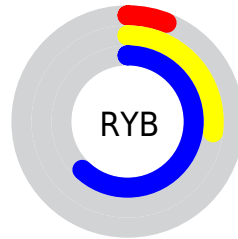
The CIELCh color **40, 38.908, 269.991** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **42, 56.345, 56.723**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 39.074, 270.026**, and **22, 36.669, 282.458** is the 20% darker color. If you saturate the color by 10%, you get **38, 42.505, 274.500**, and if you desaturate by 10%, it is **42, 35.268, 265.488**.

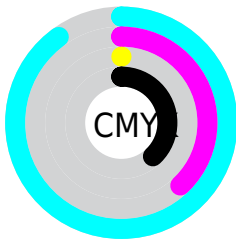
Distribution



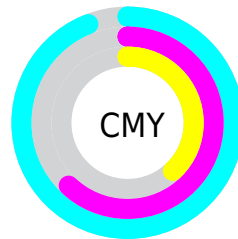
- Red (6%)
- Green (38%)
- Blue (62%)



- Red (6%)
- Yellow (27%)
- Blue (62%)



- Cyan (90%)
- Magenta (38%)
- Yellow (0%)
- Black (38%)





- Cyan (94%)
- Magenta (62%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 38.908, 269.991 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, 38.908, 269.991 by changing the saturation by 10% instead.


 40, 38.908,
269.991


 40, 38.908,
269.991


 100, 38.908,
269.991


 30, 38.908,
269.991

 60, 38.908,
269.991


 20, 38.908,
269.991


 70, 38.908,
269.991

 10, 38.908,
269.991

 80, 38.908,
269.991

 0, 38.908, 269.991

 90, 38.908,
269.991

 40, 38.908,

 40, 38.908,

269.991

■ 38, 42.505,
274.500

269.991

■ 42, 35.268,
265.488

■ 45, 31.549,
261.484

■ 47, 27.666,
258.033

■ 50, 23.571,
255.120

■ 53, 19.254,
252.691

■ 56, 14.726,
250.681

■ 59, 10.013,
249.023

■ 62, 5.148, 247.672

Harmonies

Complementary

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



40, 38.908, 269.991



42, 56.345, 56.723

Rectangle

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



40, 38.908, 269.991



40, 38.908, 319.991



40, 38.908, 89.991



40, 38.908, 139.991

Sweetspot

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



40, 38.907, 269.992



72, 16.245, 250.183



57, 62.850, 147.609



36, 10.869, 250.740



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



40, 38.907, 269.992



49, 52.275, 275.515



21, 82.947, 303.482



32, 2.832, 247.547



34, 39.242, 274.036



2, 3.801, 249.926

Inverse Universe

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



35, 59.521, 351.538



44, 73.142, 354.983



60, 61.750, 97.956



31, 4.540, 340.285



30, 56.449, 353.980



1, 5.762, 341.092

Previews

White Background



This preview shows how the CIE LCh color 40, 38.908, 269.991 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, 38.908, 269.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

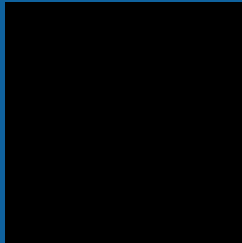
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 38.908, 269.991

Background



This preview shows how black text looks on a background with the CIELCh color 40, 38.908, 269.991.



This preview shows how white text looks on a background with the CIELCh color 40, 38.908, 269.991.

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, 38.931, 269.897

Protanopia

40, 36.764, 285.449

Deuteranopia

40, 39.296, 278.406



Tritanopia
40, 25.277, 206.449

Trichromacy



Original Color
40, 38.931, 269.897

Protanomaly
40, 37.593, 277.765

Deuteranomaly
40, 39.247, 274.843

Tritanomaly
40, 26.256, 236.781

Monochromacy



Original Color
40, 38.931, 269.897

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 16.701, 254.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 38.908, 269.991 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(15, 98, 158)` looks like.

```
.text, #text, p{  
    color:rgb(15, 98, 158)  
}
```

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(15, 98, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 98, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 38.908, 269.991 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(15, 98, 158) }
```

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

```
.border{ border-color:rgb(15, 98, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 98, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 98, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 98, 158);  
box-shadow:4px 4px 4px 4px rgb(15, 98,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 38.908, 269.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 98, 158) }
```

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

```
.background{ background-color: rgb(15, 98,  
158) }
```

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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