

Converting Colors

CIELCh(40, 28.149, 268.810)

Have a look what the booklet for
CIELCh(40, 28.149, 268.810)
contains.

CIELCh(40, 28.120, 268.688)	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, 28.120, 268.688)

Conversions

Conversions Part 1

Format	Color
Hex	38618C
RGB	56, 97, 140
RGB Percent	22%, 38%, 55%
CMY	0.7810, 0.6201, 0.4515
CMYK	0.60, 0.31, 0.00, 0.45
HSL	211°, 43%, 38%
HSV	211°, 60%, 55%
XYZ	10.6084, 11.2510, 26.3692
YIQ	89.6430, -38.2390, 4.6810

Conversions

Conversions Part 2

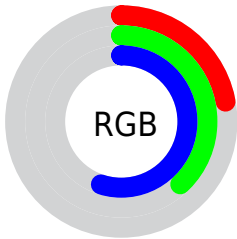
Format	Color
R_{YB}	56, 84, 140
Decimal	3694988
CIE _{Lab}	40.00, -0.64, -28.11
CIE _{LCh}	40, 28.120, 268.688
Yxy	11.2510, 0.2200, 0.2333
Android (android.graphics.Color)	4281885068 (0xFF38618C)
YUV	89.6430, 24.8260, -29.5049
Hunter-Lab	33.5425, -2.2457, -23.1307

Details

The CIELCh color **40, 28.120, 268.688** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **45, 32.851, 69.222**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 28.374, 269.297**, and **20, 27.739, 272.810** is the 20% darker color. If you saturate the color by 10%, you get **37, 32.590, 272.036**, and if you desaturate by 10%, it is **43, 23.602, 265.797**.

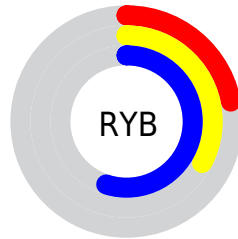
Distribution



Red (22%)

Green (38%)

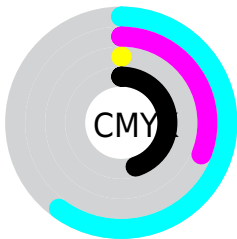
Blue (55%)



Red (22%)

Yellow (33%)

Blue (55%)

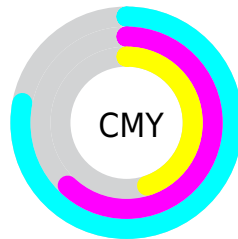


Cyan (60%)

Magenta (31%)

Yellow (0%)

Black (45%)



Cyan (78%)

Magenta (62%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 28.120, 268.688 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, 28.120, 268.688 by changing the saturation by 10% instead.

 40, 28.120,
268.688

 40, 28.120,
268.688


 100, 28.120,
268.688

 30, 28.120,
268.688

 60, 28.120,
268.688


 20, 28.120,
268.688

 70, 28.120,
268.688

 10, 28.120,
268.688

 80, 28.120,
268.688

 0, 28.120, 268.688

 90, 28.120,
268.688

 40, 28.120,

 40, 28.120,

268.688

■ 37, 32.590,
272.036

■ 35, 37.058,
275.827

■ 32, 41.584,
279.986

■ 30, 46.232,
284.110

268.688

■ 43, 23.602,
265.797

■ 46, 19.015,
263.333

■ 49, 14.354,
261.247

■ 52, 9.628, 259.488

■ 55, 4.850, 258.017

■ 58, 0.037, 264.101

■ 61, 4.796, 75.536

■ 64, 9.633, 74.624

■ 68, 14.462, 73.818

Harmonies

Complementary

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



40, 28.120, 268.688



45, 32.851, 69.222

Rectangle

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



40, 28.120, 268.688



40, 28.120, 318.688



40, 28.120, 88.688



40, 28.120, 138.688

Sweetspot

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



40, 28.119, 268.688



67, 10.671, 259.221



52, 38.737, 157.162



34, 7.465, 259.639



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



40, 28.119, 268.688



47, 41.265, 273.300



28, 53.743, 299.222



27, 2.686, 257.897



28, 44.257, 283.865



1, 1.251, 256.688

Inverse Universe

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



36, 40.702, 351.122



43, 57.416, 353.840



57, 45.262, 104.767



27, 3.803, 344.983



28, 52.168, 1.802



0, 1.745, 344.284

Previews

White Background



This preview shows how the CIE LCh color 40, 28.120, 268.688 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, 28.120, 268.688 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, 28.120, 268.688

Background



This preview shows how black text looks on a background with the CIELCh color 40, 28.120, 268.688.

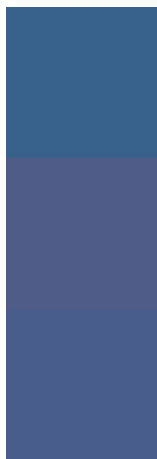


This preview shows how white text looks on a background with the CIELCh color 40, 28.120, 268.688.

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, 28.120, 268.688

Protanopia

40, 26.975, 285.708

Deuteranopia

40, 29.625, 282.270



Tritanopia
40, 19.442, 213.885

Trichromacy



Original Color
40, 28.120, 268.688

Protanomaly
40, 26.861, 278.255

Deuteranomaly
40, 29.388, 278.081

Tritanomaly
40, 20.091, 237.946

Monochromacy



Original Color
40, 28.120, 268.688

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 10.983, 262.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 28.120, 268.688 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(56, 97, 140)` looks like.

```
.text, #text, p{  
    color:rgb(56, 97, 140)  
}
```

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(56, 97, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 97, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 28.120, 268.688 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(56, 97, 140) }
```

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

```
.border{ border-color:rgb(56, 97, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 97, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(56, 97, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(56, 97, 140); box-shadow:4px 4px 4px 4px rgb(56, 97, 140) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 28.120, 268.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 97, 140) }
```

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

```
.background{ background-color: rgb(56, 97,  
140) }
```

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