

Converting Colors

CIELCh(40, 22.286, 315.821)

Have a look what the booklet for
CIELCh(40, 22.286, 315.821)
contains.

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Color

CIELCh(40, 22.626, 316.139)

Conversions

Conversions Part 1

Format	Color
Hex	6D5678
RGB	109, 86, 120
RGB Percent	43%, 34%, 47%
CMY	0.5727, 0.6629, 0.5296
CMYK	0.09, 0.28, 0.00, 0.53
HSL	281°, 17%, 40%
HSV	281°, 28%, 47%
XYZ	13.0118, 11.2510, 19.2394
YIQ	96.7530, 2.7940, 15.4500

Conversions

Conversions Part 2

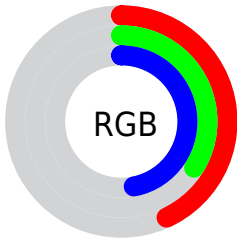
Format	Color
R _Y B	109, 86, 120
Decimal	7165560
CIE _{Lab}	40.00, 16.31, -15.68
CIE _{LCh}	40, 22.626, 316.139
Yxy	11.2510, 0.2991, 0.2586
Android (android.graphics.Color)	4285355640 (0xFF6D5678)
YUV	96.7530, 11.4608, 10.7406
Hunter-Lab	33.5425, 10.5444, -10.5280

Details

The CIELCh color $40, 22.626, 316.139$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $48, 22.128, 133.729$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 22.414, 316.429$, and $20, 22.719, 316.680$ is the 20% darker color. If you saturate the color by 10%, you get $36, 30.755, 316.554$, and if you desaturate by 10%, it is $44, 14.524, 315.716$.

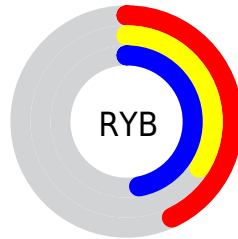
Distribution



Red (43%)

Green (34%)

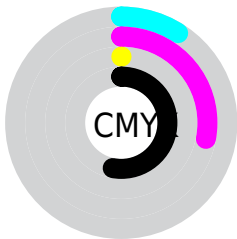
Blue (47%)



Red (43%)

Yellow (34%)

Blue (47%)

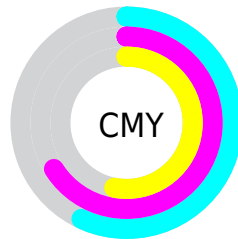


Cyan (9%)

Magenta (28%)

Yellow (0%)

Black (53%)



Cyan (57%)


Magenta (66%)

Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 22.626, 316.139 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, 22.626, 316.139 by changing the saturation by 10% instead.


 40, 22.626,
316.139


 40, 22.626,
316.139


 100, 22.626,
316.139


 30, 22.626,
316.139

 60, 22.626,
316.139


 20, 22.626,
316.139

 70, 22.626,
316.139

 10, 22.626,
316.139

 80, 22.626,
316.139

 0, 22.626, 316.139

 90, 22.626,
316.139

 40, 22.626,

 40, 22.626,

316.139

36, 30.755,
316.554

33, 38.779,
316.940

30, 46.488,
317.265

27, 53.594,
317.484

24, 59.728,
317.543

22, 64.496,
317.378

21, 68.087,
317.041

20, 68.707,
316.998

316.139

44, 14.524,
315.716

47, 6.540, 315.295

51, 1.277, 135.015

55, 8.899, 134.568

59, 16.315,
134.223

62, 23.520,
133.911

66, 30.519,
133.629

70, 37.317,
133.375

73, 43.924,

Harmonies

Complementary

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



40, 22.626, 316.139



48, 22.128, 133.729

Rectangle

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



40, 22.626, 316.139



40, 22.626, 6.139



40, 22.626, 136.139



40, 22.626, 186.139

Sweetspot

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



40, 22.625, 316.139



60, 8.737, 315.332



41, 14.229, 275.207



31, 6.126, 315.383



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



40, 22.625, 316.139



49, 33.697, 316.411



41, 21.866, 331.059



24, 4.493, 315.327



22, 70.768, 316.957



47, 119.512, 316.441

Inverse Universe

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



40, 15.922, 357.231



50, 23.804, 358.088



47, 21.799, 147.422



24, 3.118, 355.100



25, 50.722, 16.887



53, 86.597, 20.157

Previews

White Background



This preview shows how the CIELCh color 40, 22.626, 316.139 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, 22.626, 316.139 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, 22.626, 316.139

Background



This preview shows how black text looks on a background with the CIELCh color 40, 22.626, 316.139.

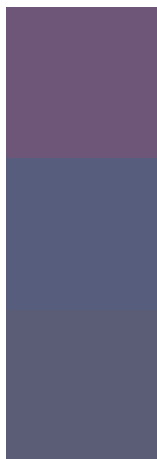


This preview shows how white text looks on a background with the CIELCh color 40, 22.626, 316.139.

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, 22.626, 316.139

Protanopia

40, 19.592, 285.772

Deuteranopia

40, 15.853, 289.861



Tritanopia
40, 7.642, 346.635

Trichromacy



Original Color
40, 22.626, 316.139

Protanomaly
40, 20.266, 297.351

Deuteranomaly
40, 18.038, 302.475

Tritanomaly
40, 12.022, 326.897

Monochromacy



Original Color
40, 22.626, 316.139

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 8.036, 315.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 22.626, 316.139 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(109, 86, 120)` looks like.

```
.text, #text, p{  
    color:rgb(109, 86, 120)  
}
```

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(109, 86, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 86, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 22.626, 316.139 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(109, 86, 120) }
```

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

```
.border{ border-color:rgb(109, 86, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 86, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 86, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 86, 120);  
box-shadow:4px 4px 4px 4px rgb(109, 86,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 22.626, 316.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 86, 120) }
```

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

```
.background{ background-color: rgb(109, 86,  
120) }
```

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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