

Converting Colors

CIELCh(40, 22.045, 316.757)

Have a look what the booklet for
CIELCh(40, 22.045, 316.757)
contains.

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Color

CIELCh(40, 22.081, 316.765)

Conversions

Conversions Part 1

Format	Color
Hex	6D5677
RGB	109, 86, 119
RGB Percent	43%, 34%, 47%
CMY	0.5723, 0.6625, 0.5331
CMYK	0.08, 0.28, 0.00, 0.53
HSL	282°, 16%, 40%
HSV	282°, 28%, 47%
XYZ	12.9775, 11.2510, 18.9567
YIQ	96.6390, 3.1150, 15.1390

Conversions

Conversions Part 2

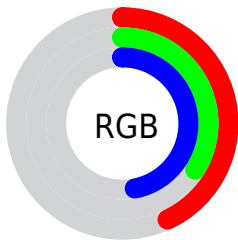
Format	Color
R_{YB}	109, 86, 119
Decimal	7165559
CIE _{Lab}	40.00, 16.09, -15.13
CIE _{LCh}	40, 22.081, 316.765
Yxy	11.2510, 0.3005, 0.2605
Android (android.graphics.Color)	4285355639 (0xFF6D5677)
YUV	96.6390, 11.0240, 10.8406
Hunter-Lab	33.5425, 10.3618, -10.0282

Details

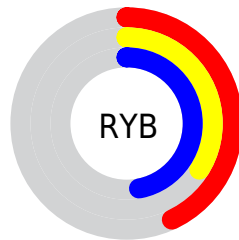
The CIELCh color $40, 22.081, 316.765$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $47, 21.642, 134.399$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 21.909, 317.037$, and $20, 22.123, 317.360$ is the 20% darker color. If you saturate the color by 10%, you get $37, 30.178, 317.177$, and if you desaturate by 10%, it is $44, 14.006, 316.344$.

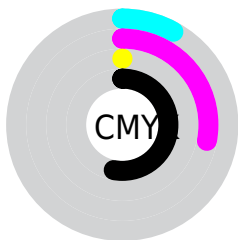
Distribution



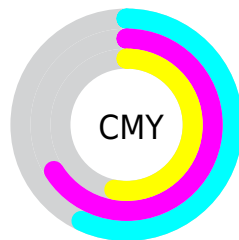
- Red (43%)
- Green (34%)
- Blue (47%)



- Red (43%)
- Yellow (34%)
- Blue (47%)



- Cyan (8%)
- Magenta (28%)
- Yellow (0%)
- Black (53%)





- Cyan (57%)
- Magenta (66%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 22.081, 316.765 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, 22.081, 316.765 by changing the saturation by 10% instead.


 40, 22.081,
316.765


 40, 22.081,
316.765


 100, 22.081,
316.765


 30, 22.081,
316.765

 60, 22.081,
316.765


 20, 22.081,
316.765

 70, 22.081,
316.765

 10, 22.081,
316.765

 80, 22.081,
316.765

 0, 22.081, 316.765

 90, 22.081,
316.765

 40, 22.081,

 40, 22.081,

316.765

37, 30.178,
317.177

33, 38.162,
317.559

30, 45.827,
317.881

27, 52.888,
318.100

25, 58.987,
318.165

23, 63.741,
318.017

21, 67.259,
317.688

21, 68.085,
317.628

316.765

44, 14.006,
316.344

47, 6.043, 315.923

51, 1.756, 135.621

55, 9.363, 135.196

58, 16.765,
134.849

62, 23.959,
134.534

66, 30.947,
134.248

69, 37.735,
133.989

73, 44.331,

Harmonies

Complementary

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



40, 22.081, 316.765



47, 21.642, 134.399

Rectangle

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



40, 22.081, 316.765



40, 22.081, 6.765



40, 22.081, 136.765



40, 22.081, 186.765

Sweetspot

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



40, 22.080, 316.765



61, 7.799, 315.944



41, 14.105, 276.367



31, 5.593, 315.998



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, 22.080, 316.765



49, 32.823, 317.019



41, 21.013, 331.608



23, 4.358, 315.978



21, 69.463, 317.601



47, 118.120, 317.090

Inverse Universe

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



40, 15.331, 358.578



50, 22.901, 359.386



47, 20.936, 148.021



23, 2.976, 356.496



25, 50.325, 18.614



53, 86.781, 22.011

Previews

White Background



This preview shows how the CIELCh color 40, 22.081, 316.765 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, 22.081, 316.765 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, 22.081, 316.765

Background



This preview shows how black text looks on a background with the CIELCh color 40, 22.081, 316.765.

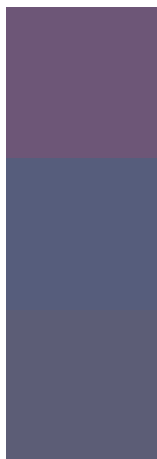


This preview shows how white text looks on a background with the CIELCh color 40, 22.081, 316.765.

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, 22.081, 316.765

Protanopia

40, 18.993, 285.417

Deuteranopia

40, 15.239, 291.053



Tritanopia
40, 7.998, 348.418

Trichromacy



Original Color
40, 22.081, 316.765

Protanomaly
40, 19.661, 297.414

Deuteranomaly
40, 17.441, 302.769

Tritanomaly
40, 12.262, 328.523

Monochromacy



Original Color
40, 22.081, 316.765

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, 22.081, 316.765 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(109, 86, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 86, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 22.081, 316.765 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, 119) }
```

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

```
.border{ border-color:rgb(109, 86, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 86, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 86, 119); box-shadow:4px 4px 4px 4px rgb(109, 86, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 22.081, 316.765 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, 119) }
```

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

```
.background{ background-color: rgb(109, 86,  
119) }
```

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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