

Converting Colors

CIELCh(40, 25.505, 304.996)

Have a look what the booklet for
CIELCh(40, 25.505, 304.996)
contains.

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Color

CIELCh(40, 24.970, 304.684)

Conversions

Conversions Part 1

Format	Color
Hex	655880
RGB	101, 88, 128
RGB Percent	40%, 35%, 50%
CMY	0.6048, 0.6557, 0.4989
CMYK	0.21, 0.31, 0.00, 0.50
HSL	259°, 19%, 42%
HSV	259°, 31%, 50%
XYZ	12.6956, 11.2510, 21.8459
YIQ	96.4470, -5.0920, 15.1960

Conversions

Conversions Part 2

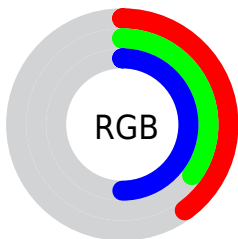
Format	Color
R_{YB}	101, 88, 128
Decimal	6641792
CIE _{Lab}	40.00, 14.21, -20.53
CIE _{LCh}	40, 24.970, 304.684
Yxy	11.2510, 0.2772, 0.2457
Android (android.graphics.Color)	4284831872 (0xFF655880)
YUV	96.4470, 15.5556, 3.9930
Hunter-Lab	33.5425, 8.8616, -15.1353

Details

The CIELCh color $40, 24.970, 304.684$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 23.554, 121.053$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 24.994, 305.025$, and $20, 25.570, 304.820$ is the 20% darker color. If you saturate the color by 10%, you get $36, 33.443, 305.451$, and if you desaturate by 10%, it is $44, 16.718, 303.983$.

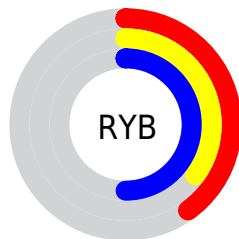
Distribution



Red (40%)

Green (35%)

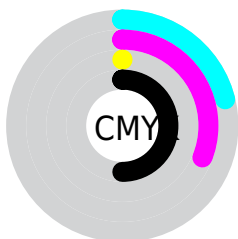
Blue (50%)



Red (40%)

Yellow (35%)

Blue (50%)

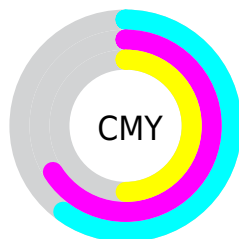


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (50%)



Cyan (60%)

Magenta (66%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 24.970, 304.684 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, 24.970, 304.684 by changing the saturation by 10% instead.

 40, 24.970,
304.684


 40, 24.970,
304.684


 100, 24.970,
304.684

 30, 24.970,
304.684

 60, 24.970,
304.684

 20, 24.970,
304.684

 70, 24.970,
304.684

 10, 24.970,
304.684

 80, 24.970,
304.684

 0, 24.970, 304.684

 90, 24.970,
304.684

 40, 24.970,

 40, 24.970,

304.684

■ 36, 33.443,
305.451

■ 32, 42.066,
306.267

■ 28, 50.682,
307.094

■ 24, 59.004,
307.865

■ 20, 66.546,
308.472

■ 18, 72.626,
308.768

■ 16, 77.165,
308.967

304.684

■ 44, 16.718,
303.983

■ 49, 8.722, 303.352

■ 53, 0.987, 302.759

■ 57, 6.489, 122.319

■ 62, 13.717,
121.888

■ 66, 20.710,
121.516

■ 70, 27.479,
121.194

■ 74, 34.039,
120.916

■ 78, 40.401,

Harmonies

Complementary

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



40, 24.970, 304.684



52, 23.554, 121.053

Rectangle

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



40, 24.970, 304.684



40, 24.970, 354.684



40, 24.970, 124.684



40, 24.970, 174.684

Sweetspot

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



40, 24.969, 304.684



63, 8.571, 303.230



47, 12.168, 236.848



32, 6.014, 303.303



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



40, 24.969, 304.684



48, 37.943, 305.261



42, 27.178, 320.651



25, 4.330, 303.223



16, 77.045, 308.969



0, 0.000, 0.000

Inverse Universe

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



42, 22.789, 337.553



52, 34.127, 338.182



50, 26.847, 137.688



25, 4.061, 335.882



27, 54.705, 346.000



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 24.970, 304.684 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, 24.970, 304.684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

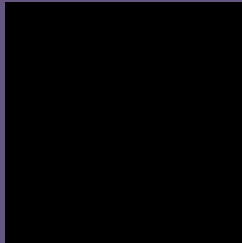
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 24.970, 304.684

Background



This preview shows how black text looks on a background with the CIELCh color 40, 24.970, 304.684.

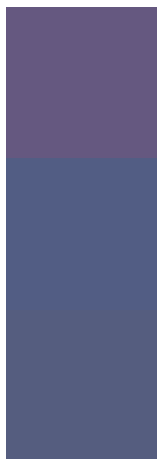


This preview shows how white text looks on a background with the CIELCh color 40, 24.970, 304.684.

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, 24.970, 304.684

Protanopia

40, 23.922, 284.708

Deuteranopia

40, 20.825, 285.495



Tritanopia
40, 4.465, 306.835

Trichromacy



Original Color
40, 24.970, 304.684

Protanomaly
40, 23.797, 292.024

Deuteranomaly
40, 21.981, 293.448

Tritanomaly
40, 11.980, 305.246

Monochromacy



Original Color
40, 24.970, 304.684

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 9.391, 303.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 24.970, 304.684 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(101, 88, 128)` looks like.

```
.text, #text, p{  
    color:rgb(101, 88, 128)  
}
```

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(101, 88, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 88, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 24.970, 304.684 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(101, 88, 128) }
```

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

```
.border{ border-color:rgb(101, 88, 128) }
```

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

Here you see how a box with a 4 pixel rgb(101, 88, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 88, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 88, 128);  
box-shadow:4px 4px 4px 4px rgb(101, 88,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 24.970, 304.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 88, 128) }
```

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

```
.background{ background-color: rgb(101, 88,  
128) }
```

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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