

Converting Colors

CIELCh(40, 22.344, 305.576)

Have a look what the booklet for
CIELCh(40, 22.344, 305.576)
contains.

CIELCh(40, 22.613, 305.741)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 22.613, 305.741)

Conversions

Conversions Part 1

Format	Color
Hex	65587C
RGB	101, 88, 124
RGB Percent	40%, 35%, 49%
CMY	0.6031, 0.6541, 0.5129
CMYK	0.19, 0.29, 0.00, 0.51
HSL	262°, 17%, 42%
HSV	262°, 29%, 49%
XYZ	12.5471, 11.2510, 20.6489
YIQ	95.9910, -3.8080, 13.9520

Conversions

Conversions Part 2

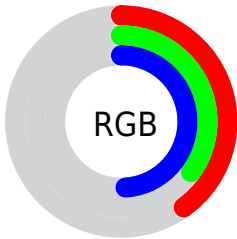
Format	Color
R_{YB}	101, 88, 124
Decimal	6641788
CIE _{Lab}	40.00, 13.21, -18.35
CIE _{LCh}	40, 22.613, 305.741
Yxy	11.2510, 0.2823, 0.2531
Android (android.graphics.Color)	4284831868 (0xFF65587C)
YUV	95.9910, 13.8084, 4.3929
Hunter-Lab	33.5425, 8.0713, -13.0195

Details

The CIELCh color $40, 22.613, 305.741$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $50, 21.497, 122.605$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 22.728, 305.260$, and $20, 22.197, 304.943$ is the 20% darker color. If you saturate the color by 10%, you get $36, 30.849, 306.432$, and if you desaturate by 10%, it is $44, 14.585, 305.106$.

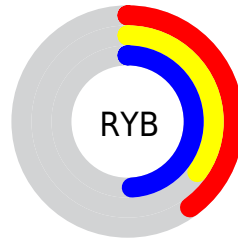
Distribution



Red (40%)

Green (35%)

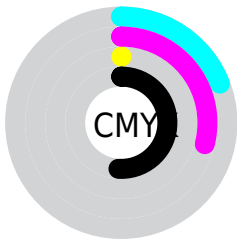
Blue (49%)



Red (40%)

Yellow (35%)

Blue (49%)

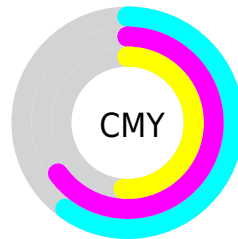


Cyan (19%)

Magenta (29%)

Yellow (0%)

Black (51%)



Cyan (60%)


Magenta (65%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 22.613, 305.741 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, 22.613, 305.741 by changing the saturation by 10% instead.


 40, 22.613,
305.741


 40, 22.613,
305.741


 100, 22.613,
305.741


 30, 22.613,
305.741

 60, 22.613,
305.741


 20, 22.613,
305.741

 70, 22.613,
305.741

 10, 22.613,
305.741

 80, 22.613,
305.741

 0, 22.613, 305.741

 90, 22.613,
305.741

 40, 22.613,

 40, 22.613,

305.741

■ 36, 30.849,
306.432

■ 32, 39.229,
307.164

■ 28, 47.615,
307.904

■ 24, 55.757,
308.594

■ 21, 63.238,
309.142

■ 18, 69.462,
309.421

■ 16, 74.527,
309.526

■ 16, 75.074,
309.560

305.741

■ 44, 14.585,
305.106

■ 48, 6.797, 304.531

■ 53, 0.742, 124.098

■ 57, 8.037, 123.589

■ 61, 15.095,
123.194

■ 65, 21.927,
122.852

■ 69, 28.546,
122.555

■ 73, 34.963,
122.298

■ 77, 41.191,

Harmonies

Complementary

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



40, 22.613, 305.741



50, 21.497, 122.605

Rectangle

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



40, 22.613, 305.741



40, 22.613, 355.741



40, 22.613, 125.741



40, 22.613, 175.741

Sweetspot

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



40, 22.612, 305.741



61, 8.400, 304.543



46, 11.185, 241.050



31, 5.894, 304.611



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



40, 22.612, 305.741



48, 34.029, 306.208



42, 24.794, 321.560



24, 4.207, 304.534



16, 75.401, 309.554



37, 127.744, 309.018

Inverse Universe

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



42, 20.133, 339.017



51, 29.966, 339.605



49, 24.570, 138.747



24, 3.824, 337.456



27, 52.841, 348.683



55, 88.064, 350.208

Previews

White Background



This preview shows how the CIELCh color 40, 22.613, 305.741 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, 22.613, 305.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

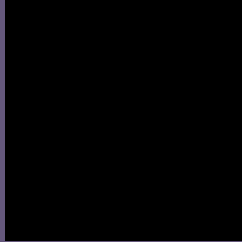
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 22.613, 305.741

Background



This preview shows how black text looks on a background with the CIELCh color 40, 22.613, 305.741.



This preview shows how white text looks on a background with the CIELCh color 40, 22.613, 305.741.

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, 22.613, 305.741

Protanopia

40, 21.461, 284.936

Deuteranopia

40, 18.328, 287.240



Tritanopia
40, 4.599, 311.780

Trichromacy



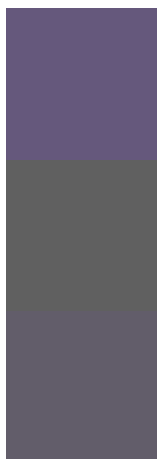
Original Color
40, 22.613, 305.741

Protanomaly
40, 21.979, 292.525

Deuteranomaly
40, 19.578, 295.244

Tritanomaly
40, 11.494, 307.866

Monochromacy



Original Color
40, 22.613, 305.741

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 8.207, 305.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 22.613, 305.741 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(101, 88, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 88, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 22.613, 305.741 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, 124) }
```

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

```
.border{ border-color:rgb(101, 88, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 88, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 88, 124);  
box-shadow:4px 4px 4px 4px rgb(101, 88,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 22.613, 305.741 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, 124) }
```

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

```
.background{ background-color: rgb(101, 88,  
124) }
```

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