

Converting Colors

CIELCh(40, 22.332, 234.493)

Have a look what the booklet for
CIELCh(40, 22.332, 234.493)
contains.

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Color

CIELCh(40, 22.169, 233.245)

Conversions

Conversions Part 1

Format	Color
Hex	25667B
RGB	37, 102, 123
RGB Percent	15%, 40%, 48%
CMY	0.8564, 0.6012, 0.5189
CMYK	0.70, 0.17, 0.00, 0.52
HSL	195°, 54%, 31%
HSV	195°, 70%, 48%
XYZ	9.0257, 11.2510, 20.3312
YIQ	84.9590, -45.4810, -7.2490

Conversions

Conversions Part 2

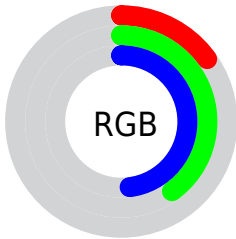
Format	Color
RYB	37, 74, 123
Decimal	2451067
CIELab	40.00, -13.27, -17.76
CIElCh	40, 22.169, 233.245
Yxy	11.2510, 0.2223, 0.2771
Android (android.graphics.Color)	4280641147 (0xFF25667B)
YUV	84.9590, 18.7542, -42.0600
Hunter-Lab	33.5425, -10.6680, -12.4579




Details

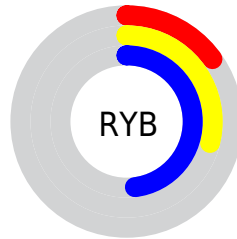
The CIELCh color **40, 22.169, 233.245** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 37.174, 44.337**, and the grayscale version is **36, 0.005, 296.813**.




A 20% lighter version of the original color is **60, 22.344, 233.909**, and **21, 18.386, 242.517** is the 20% darker color. If you saturate the color by 10%, you get **39, 23.844, 236.068**, and if you desaturate by 10%, it is **41, 20.070, 230.972**.

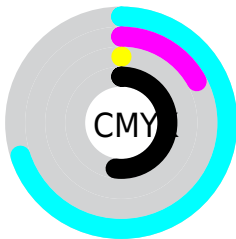
Distribution







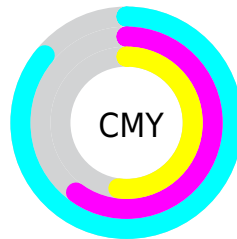
-  Red (15%)
-  Green (40%)
-  Blue (48%)






-  Red (15%)
-  Yellow (29%)
-  Blue (48%)



-  Cyan (70%)
-  Magenta (17%)
-  Yellow (0%)
-  Black (52%)





-  Cyan (86%)
-  Magenta (60%)
-  Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 22.169, 233.245 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, 22.169, 233.245 by changing the saturation by 10% instead.


 40, 22.169,
233.245


 40, 22.169,
233.245


 100, 22.169,
233.245


 30, 22.169,
233.245

 60, 22.169,
233.245


 20, 22.169,
233.245

 70, 22.169,
233.245

 10, 22.169,
233.245

 80, 22.169,
233.245

 0, 22.169, 233.245

 90, 22.169,
233.245

 40, 22.169,

 40, 22.169,

233.245

■ 39, 23.844,
236.068

■ 38, 25.130,
239.506

■ 36, 26.225,
243.199

233.245

■ 41, 20.070,
230.972

■ 43, 17.552,
229.170

■ 44, 14.644,
227.759

■ 46, 11.391,
226.670

■ 48, 7.843, 225.842

■ 50, 4.052, 225.247

■ 51, 0.066, 230.292

■ 53, 4.073, 44.234

■ 55, 8.327, 44.027

Harmonies

Complementary

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



40, 22.169, 233.245



32, 37.174, 44.337

Rectangle

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



40, 22.169, 233.245



40, 22.169, 283.245



40, 22.169, 53.245



40, 22.169, 103.245

Sweetspot

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



40, 22.168, 233.244



61, 10.150, 225.941



45, 49.577, 144.720



31, 6.879, 226.114



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, 22.168, 233.244



50, 29.989, 238.031



27, 41.063, 289.655



25, 2.248, 225.198



37, 26.584, 243.292



72, 45.332, 245.946

Inverse Universe

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



30, 48.163, 337.175



38, 65.466, 338.761



43, 38.045, 87.356



24, 4.159, 332.636



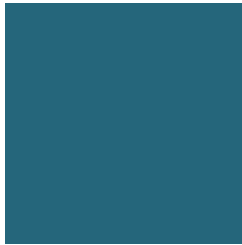
27, 56.837, 340.423



57, 94.823, 341.262

Previews

White Background



This preview shows how the CIE LCh color 40, 22.169, 233.245 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, 22.169, 233.245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

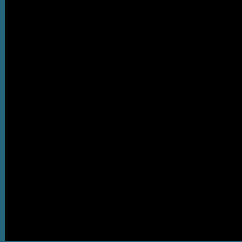
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 22.169, 233.245

Background



This preview shows how black text looks on a background with the CIELCh color 40, 22.169, 233.245.

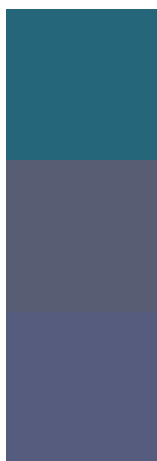


This preview shows how white text looks on a background with the CIELCh color 40, 22.169, 233.245.

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, 22.169, 233.245

Protanopia

40, 14.113, 284.677

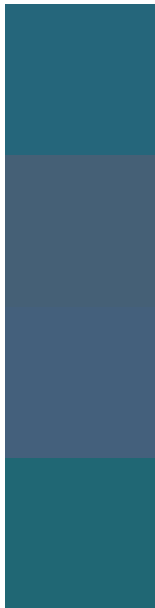
Deuteranopia

40, 20.197, 287.127



Tritanopia
40, 22.338, 209.707

Trichromacy



Original Color
40, 22.169, 233.245

Protanomaly
39, 16.038, 256.230

Deuteranomaly
40, 19.098, 263.116

Tritanomaly
40, 21.847, 218.699

Monochromacy



Original Color
40, 22.169, 233.245

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 10.176, 227.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 22.169, 233.245 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(37, 102, 123)` looks like.

```
.text, #text, p{  
    color:rgb(37, 102, 123)  
}
```

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(37, 102, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 102, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 22.169, 233.245 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(37, 102, 123) }
```

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

```
.border{ border-color:rgb(37, 102, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 102, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 102, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 102, 123);  
box-shadow:4px 4px 4px 4px rgb(37, 102,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 22.169, 233.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 102, 123) }
```

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

```
.background{ background-color: rgb(37, 102,  
123) }
```

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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