

Converting Colors

CIELCh(40, 12.715, 228.323)

Have a look what the booklet for
CIELCh(40, 12.715, 228.323)
contains.

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Color

CIELCh(40, 12.587, 227.406)

Conversions

Conversions Part 1

Format	Color
Hex	44636D
RGB	68, 99, 109
RGB Percent	27%, 39%, 43%
CMY	0.7334, 0.6118, 0.5726
CMYK	0.38, 0.09, 0.00, 0.57
HSL	195°, 23%, 35%
HSV	195°, 38%, 43%
XYZ	9.6010, 11.2510, 16.1268
YIQ	90.8710, -21.6860, -3.4620

Conversions

Conversions Part 2

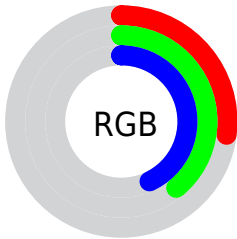
Format	Color
R_{YB}	68, 86, 109
Decimal	4481901
CIE Lab	40.00, -8.52, -9.27
CIE LCh	40, 12.587, 227.406
Yxy	11.2510, 0.2596, 0.3043
Android (android.graphics.Color)	4282671981 (0xFF44636D)
YUV	90.8710, 8.9376, -20.0579
Hunter-Lab	33.5425, -7.6066, -5.0261

Details

The CIELCh color $40, 12.587, 227.406$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $36, 16.022, 43.679$, and the grayscale version is $39, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 12.466, 225.601$, and $20, 12.746, 230.337$ is the 20% darker color. If you saturate the color by 10%, you get $39, 15.326, 228.691$, and if you desaturate by 10%, it is $42, 9.551, 226.408$.

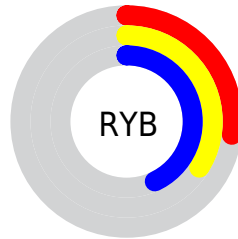
Distribution



Red (27%)

Green (39%)

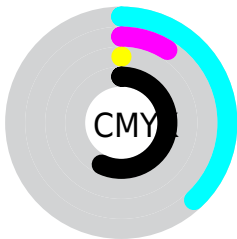
Blue (43%)



Red (27%)

Yellow (34%)

Blue (43%)

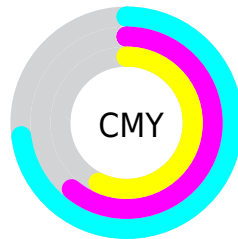


Cyan (38%)

Magenta (9%)

Yellow (0%)

Black (57%)



Cyan (73%)

Magenta (61%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 12.587, 227.406 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, 12.587, 227.406 by changing the saturation by 10% instead.

■ 40, 12.587,
227.406

■ 40, 12.587,
227.406

■ 100, 12.587,
227.406

■ 30, 12.587,
227.406

■ 60, 12.587,
227.406

■ 20, 12.587,
227.406

■ 70, 12.587,
227.406

■ 10, 12.587,
227.406

■ 80, 12.587,
227.406

■ 0, 12.587, 227.406

■ 90, 12.587,
227.406

■ 40, 12.587,

■ 40, 12.587,

227.406

■ 39, 15.326,
228.691

■ 37, 17.728,
230.337

■ 36, 19.760,
232.417

■ 35, 21.412,
235.009

■ 34, 22.699,
238.180

■ 33, 23.767,
241.752

■ 32, 24.034,
242.567

227.406

■ 42, 9.551, 226.408

■ 43, 6.265, 225.657

■ 45, 2.774, 225.140

■ 46, 0.881, 44.194

■ 48, 4.664, 44.185

■ 50, 8.544, 43.988

■ 52, 12.494, 43.843

■ 54, 16.493, 43.747

■ 55, 20.524, 43.692

Harmonies

Complementary

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



40, 12.587, 227.406



36, 16.022, 43.679

Rectangle

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



40, 12.587, 227.406



40, 12.587, 277.406



40, 12.587, 47.406



40, 12.587, 97.406

Sweetspot

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



40, 12.587, 227.403



57, 4.958, 225.297



42, 25.379, 148.840



29, 3.301, 225.346



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 12.587, 227.403



50, 18.181, 228.494



34, 19.121, 281.615



21, 2.011, 225.191



35, 25.370, 242.970



70, 44.269, 245.866

Inverse Universe

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



35, 25.344, 334.546



43, 37.511, 335.172



42, 18.730, 91.672



21, 3.717, 332.621



25, 54.379, 340.323



55, 92.664, 341.236

Previews

White Background



This preview shows how the CIELCh color 40, 12.587, 227.406 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, 12.587, 227.406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

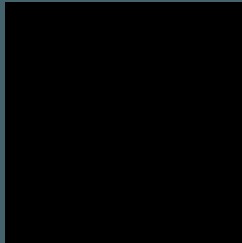
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 12.587, 227.406

Background



This preview shows how black text looks on a background with the CIELCh color 40, 12.587, 227.406.



This preview shows how white text looks on a background with the CIELCh color 40, 12.587, 227.406.

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, 12.587, 227.406

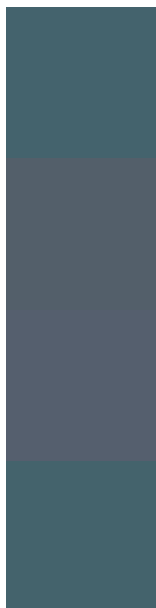
Protanopia
40, 7.332, 288.193

Deuteranopia
40, 11.687, 297.682



Tritanopia
40, 12.198, 221.910

Trichromacy



Original Color
40, 12.587, 227.406

Protanomaly
40, 8.047, 255.931

Deuteranomaly
40, 9.804, 268.603

Tritanomaly
40, 12.380, 224.699

Monochromacy



Original Color
40, 12.587, 227.406

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 4.990, 228.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 12.587, 227.406 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(68, 99, 109)` looks like.

```
.text, #text, p{  
    color:rgb(68, 99, 109)  
}
```

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(68, 99, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 99, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 12.587, 227.406 is called "border". The border property can be set on classes, ids or directly on the HTML element.

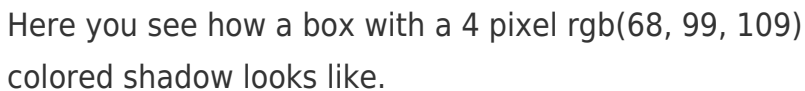
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 99, 109) }
```

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

```
.border{ border-color:rgb(68, 99, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(68, 99, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 99, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 99, 109);  
box-shadow:4px 4px 4px 4px rgb(68, 99,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 12.587, 227.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 99, 109) }
```

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

```
.background{ background-color: rgb(68, 99,  
109) }
```

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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