

Converting Colors

CIELCh(42, 10.416, 221.610)

Have a look what the booklet for
CIELCh(42, 10.416, 221.610)
contains.

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Color

CIELCh(42, 10.477, 222.354)

Conversions

Conversions Part 1

Format	Color
Hex	4D676E
RGB	77, 103, 110
RGB Percent	30%, 40%, 43%
CMY	0.6966, 0.5946, 0.5672
CMYK	0.30, 0.06, 0.00, 0.57
HSL	193°, 18%, 37%
HSV	193°, 30%, 43%
XYZ	10.8109, 12.5000, 16.7006
YIQ	96.0240, -17.7430, -3.3350

Conversions

Conversions Part 2

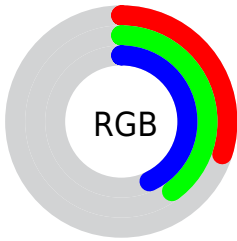
Format	Color
R_{YB}	77, 92, 110
Decimal	5072750
CIE _{Lab}	42.00, -7.74, -7.06
CIE _{LCh}	42, 10.477, 222.354
Yxy	12.5000, 0.2702, 0.3124
Android (android.graphics.Color)	4283262830 (0xFF4D676E)
YUV	96.0240, 6.8902, -16.6840
Hunter-Lab	35.3553, -7.2906, -3.2578

Details

The CIELCh color `42, 10.477, 222.354` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `38, 12.697, 40.439`, and the grayscale version is `41, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 10.543, 223.989`, and `22, 10.274, 221.188` is the 20% darker color. If you saturate the color by 10%, you get `41, 13.480, 223.200`, and if you desaturate by 10%, it is `43, 7.191, 221.725`.

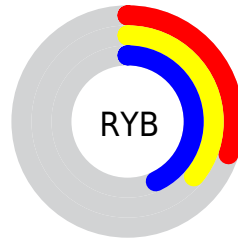
Distribution



Red (30%)

Green (40%)

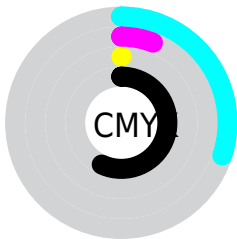
Blue (43%)



Red (30%)

Yellow (36%)

Blue (43%)

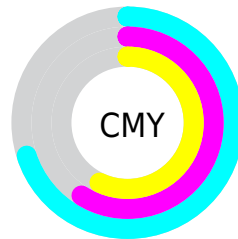


Cyan (30%)

Magenta (6%)

Yellow (0%)

Black (57%)



Cyan (70%)


Magenta (59%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 10.477, 222.354 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 42, 10.477, 222.354 by changing the saturation by 10% instead.


 42, 10.477,
222.354


 42, 10.477,
222.354


 100, 10.477,
222.354


 32, 10.477,
222.354

 62, 10.477,
222.354


 22, 10.477,
222.354

 72, 10.477,
222.354

 12, 10.477,
222.354


 82, 10.477,
222.354

 2, 10.477, 222.354

 92, 10.477,
222.354

 0, 10.477, 222.354

 42, 10.477,

 42, 10.477,

222.354

■ 41, 13.480,
223.200

■ 39, 16.150,
224.327

■ 38, 18.444,
225.791

■ 37, 20.327,
227.664

■ 36, 21.788,
230.019

■ 35, 22.847,
232.924

■ 34, 23.726,
236.083

■ 34, 23.735,
236.110

222.354

■ 43, 7.191, 221.725

■ 45, 3.673, 221.308

■ 47, 0.033, 30.246

■ 48, 3.884, 40.580

■ 50, 7.847, 40.494

■ 52, 11.891, 40.444

■ 53, 15.992, 40.438

■ 55, 20.131, 40.468

■ 57, 24.292, 40.526

Harmonies

Complementary

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



42, 10.477, 222.354



38, 12.697, 40.439

Rectangle

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



42, 10.477, 222.354



42, 10.477, 272.354



42, 10.477, 42.354



42, 10.477, 92.354

Sweetspot

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



42, 10.477, 222.349



58, 4.127, 221.289



43, 20.963, 148.408



29, 2.840, 221.322



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 10.477, 222.349



53, 15.192, 222.921



37, 14.619, 277.928



23, 2.117, 221.283



37, 25.196, 236.507



73, 43.346, 239.036

Inverse Universe

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



37, 20.879, 332.789



46, 30.950, 333.255



43, 14.548, 90.131



22, 3.954, 331.458



26, 56.442, 338.420



56, 95.573, 339.145

Previews

White Background



This preview shows how the CIELCh color 42, 10.477, 222.354 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 42, 10.477, 222.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

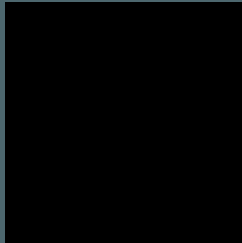
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 10.477, 222.354

Background



This preview shows how black text looks on a background with the CIELCh color 42, 10.477, 222.354.



This preview shows how white text looks on a background with the CIELCh color 42, 10.477, 222.354.

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


42, 10.477, 222.354

Protanopia

42, 5.448, 290.991

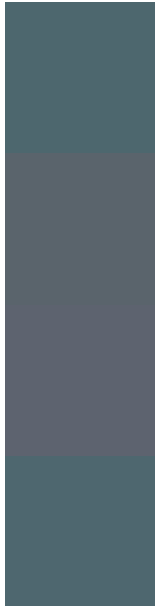
Deuteranopia

42, 10.021, 305.311



Tritanopia
42, 10.371, 226.405

Trichromacy



Original Color
42, 10.477, 222.354

Protanomaly
42, 6.146, 251.244

Deuteranomaly
42, 7.570, 273.244

Tritanomaly
42, 10.371, 226.405

Monochromacy



Original Color
42, 10.477, 222.354

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 4.178, 215.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 10.477, 222.354 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(77, 103, 110)` looks like.

```
.text, #text, p{  
    color:rgb(77, 103, 110)  
}
```

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(77, 103, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 103, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 10.477, 222.354 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(77, 103, 110) }
```

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

```
.border{ border-color:rgb(77, 103, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 103, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 103, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 103, 110);  
box-shadow:4px 4px 4px 4px rgb(77, 103,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 10.477, 222.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 103, 110) }
```

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

```
.background{ background-color: rgb(77, 103,  
110) }
```

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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