

Converting Colors

CIELCh(42, 12.670, 225.237)

Have a look what the booklet for
CIELCh(42, 12.670, 225.237)
contains.

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Color

CIELCh(42, 12.833, 226.527)

Conversions

Conversions Part 1

Format	Color
Hex	486872
RGB	72, 104, 114
RGB Percent	28%, 41%, 45%
CMY	0.7175, 0.5920, 0.5528
CMYK	0.37, 0.09, 0.00, 0.55
HSL	194°, 23%, 36%
HSV	194°, 37%, 45%
XYZ	10.6660, 12.5000, 17.7781
YIQ	95.5720, -22.2820, -3.6740

Conversions

Conversions Part 2

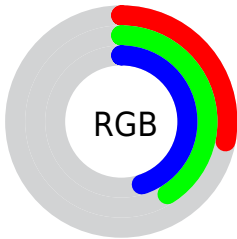
Format	Color
R_{YB}	72, 90, 114
Decimal	4745330
CIE _{Lab}	42.00, -8.83, -9.31
CIE _{LCh}	42, 12.833, 226.527
Yxy	12.5000, 0.2605, 0.3053
Android (android.graphics.Color)	4282935410 (0xFF486872)
YUV	95.5720, 9.0850, -20.6726
Hunter-Lab	35.3553, -8.0219, -5.0646




Details

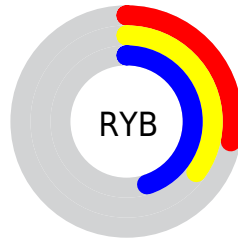
The CIELCh color $42, 12.833, 226.527$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $38, 16.290, 43.093$, and the grayscale version is $41, 0.006, 296.813$.




A 20% lighter version of the original color is $62, 12.922, 227.230$, and $22, 12.842, 226.003$ is the 20% darker color. If you saturate the color by 10%, you get $41, 15.691, 227.758$, and if you desaturate by 10%, it is $44, 9.665, 225.577$.

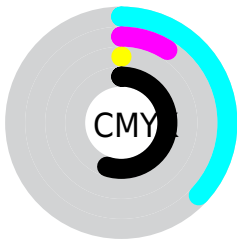
Distribution







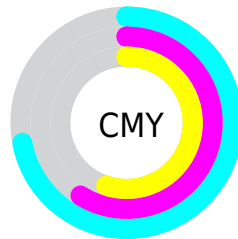
-  Red (28%)
-  Green (41%)
-  Blue (45%)






-  Red (28%)
-  Yellow (35%)
-  Blue (45%)



-  Cyan (37%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (55%)





-  Cyan (72%)
-  Magenta (59%)
-  Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.833, 226.527 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, 12.833, 226.527 by changing the saturation by 10% instead.

 42, 12.833,
226.527


 42, 12.833,
226.527


 100, 12.833,
226.527


 32, 12.833,
226.527

 62, 12.833,
226.527


 22, 12.833,
226.527

 72, 12.833,
226.527

 12, 12.833,
226.527


 82, 12.833,
226.527

 2, 12.833, 226.527

 92, 12.833,
226.527

 0, 12.833, 226.527

 42, 12.833,

 42, 12.833,

226.527

■ 41, 15.691,
227.758

■ 39, 18.193,
229.344

■ 38, 20.306,
231.357

■ 37, 22.014,
233.876

■ 35, 23.333,
236.971

■ 34, 24.381,
240.540

■ 34, 24.725,
241.636

226.527

■ 44, 9.665, 225.577

■ 45, 6.235, 224.868

■ 47, 2.592, 224.400

■ 49, 1.222, 43.571

■ 50, 5.167, 43.500

■ 52, 9.212, 43.326

■ 54, 13.330, 43.204

■ 56, 17.497, 43.130

■ 58, 21.696, 43.095

Harmonies

Complementary

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



42, 12.833, 226.527



38, 16.290, 43.093

Rectangle

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



42, 12.833, 226.527



42, 12.833, 276.527



42, 12.833, 46.527



42, 12.833, 96.527

Sweetspot

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



42, 12.833, 226.523



59, 5.112, 224.571



44, 25.801, 148.899



30, 3.404, 224.619



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 12.833, 226.523



52, 18.374, 227.525



36, 19.418, 281.501



23, 2.095, 224.473



36, 25.647, 241.897



71, 44.347, 244.663

Inverse Universe

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



36, 25.869, 334.271



44, 37.938, 334.867



44, 19.031, 91.746



22, 3.882, 332.409



26, 55.422, 339.995



56, 93.774, 340.852

Previews

White Background



This preview shows how the CIE LCh color 42, 12.833, 226.527 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, 12.833, 226.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

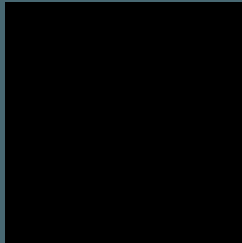
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

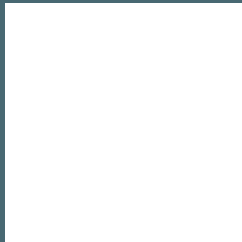
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 12.833, 226.527

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.833, 226.527.



This preview shows how white text looks on a background with the CIELCh color 42, 12.833, 226.527.

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, 12.833, 226.527

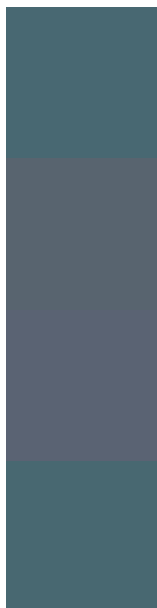
Protanopia
42, 7.266, 288.136

Deuteranopia
42, 12.251, 299.224



Tritanopia
42, 12.634, 223.886

Trichromacy



Original Color
42, 12.833, 226.527

Protanomaly
42, 7.987, 255.797

Deuteranomaly
42, 10.173, 271.935

Tritanomaly
42, 12.634, 223.886

Monochromacy



Original Color
42, 12.833, 226.527

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 5.293, 226.306

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.833, 226.527 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(72, 104, 114)` looks like.

```
.text, #text, p{  
    color:rgb(72, 104, 114)  
}
```

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(72, 104, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 104, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.833, 226.527 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(72, 104, 114) }
```

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

```
.border{ border-color:rgb(72, 104, 114) }
```

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

Here you see how a box with a 4 pixel rgb(72, 104, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 104, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 104, 114);  
box-shadow:4px 4px 4px 4px rgb(72, 104,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.833, 226.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 104, 114) }
```

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

```
.background{ background-color: rgb(72, 104,  
114) }
```

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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