

Converting Colors

CIELCh(42, 10.836, 241.478)

Have a look what the booklet for
CIELCh(42, 10.836, 241.478)
contains.

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Color

CIELCh(42, 10.722, 241.531)

Conversions

Conversions Part 1

Format	Color
Hex	506672
RGB	80, 102, 114
RGB Percent	31%, 40%, 45%
CMY	0.6851, 0.5988, 0.5518
CMYK	0.30, 0.11, 0.00, 0.55
HSL	201°, 17%, 38%
HSV	201°, 30%, 45%
XYZ	11.1670, 12.5000, 17.8330
YIQ	96.7900, -16.9640, -0.9320

Conversions

Conversions Part 2

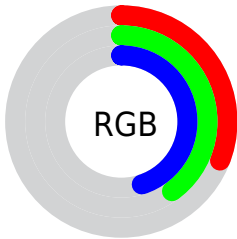
Format	Color
R_{YB}	80, 93, 114
Decimal	5269106
CIE _{Lab}	42.00, -5.11, -9.43
CIE _{LCh}	42, 10.722, 241.531
Yxy	12.5000, 0.2691, 0.3012
Android (android.graphics.Color)	4283459186 (0xFF506672)
YUV	96.7900, 8.4845, -14.7248
Hunter-Lab	35.3553, -5.4926, -5.1568

Details

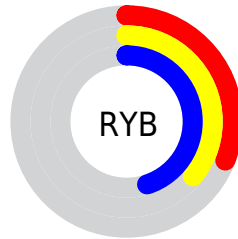
The CIELCh color **42, 10.722, 241.531** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 12.437, 55.769**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 10.799, 241.582**, and **22, 10.622, 242.881** is the 20% darker color. If you saturate the color by 10%, you get **40, 13.984, 243.191**, and if you desaturate by 10%, it is **44, 7.267, 240.177**.

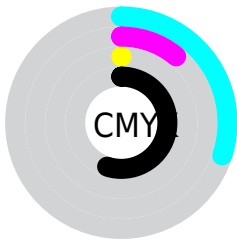
Distribution



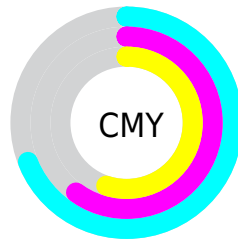
- Red (31%)
- Green (40%)
- Blue (45%)



- Red (31%)
- Yellow (36%)
- Blue (45%)



- Cyan (30%)
- Magenta (11%)
- Yellow (0%)
- Black (55%)





- Cyan (69%)
- Magenta (60%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 10.722, 241.531 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, 10.722, 241.531 by changing the saturation by 10% instead.


 42, 10.722,
241.531


 42, 10.722,
241.531


 100, 10.722,
241.531


 32, 10.722,
241.531

 62, 10.722,
241.531


 22, 10.722,
241.531

 72, 10.722,
241.531

 12, 10.722,
241.531

 82, 10.722,
241.531

 2, 10.722, 241.531

 92, 10.722,
241.531

 0, 10.722, 241.531

 42, 10.722,

 42, 10.722,

241.531

40, 13.984,
243.191

38, 17.023,
245.235

36, 19.815,
247.729

35, 22.353,
250.743

33, 24.654,
254.332

31, 26.765,
258.502

30, 28.862,
262.807

30, 28.916,
262.906

241.531

44, 7.267, 240.177

46, 3.653, 239.108

48, 0.089, 54.579

50, 3.930, 57.281

53, 7.845, 56.702

55, 11.812, 56.201

57, 15.814, 55.778

59, 19.836, 55.421

61, 23.867, 55.118

Harmonies

Complementary

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



42, 10.722, 241.531



41, 12.437, 55.769

Rectangle

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



42, 10.722, 241.531



42, 10.722, 291.531



42, 10.722, 61.531



42, 10.722, 111.531

Sweetspot

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



42, 10.722, 241.527



59, 4.166, 239.060



45, 19.162, 154.042



30, 2.871, 239.166



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, 10.722, 241.527



52, 15.754, 242.683



37, 17.927, 287.046



22, 2.076, 239.038



31, 30.006, 263.194



63, 53.144, 266.346

Inverse Universe

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



38, 19.407, 338.678



47, 28.956, 339.284



46, 17.165, 100.103



22, 3.576, 337.081



25, 51.555, 347.938



54, 87.111, 349.493

Previews

White Background



This preview shows how the CIE LCh color 42, 10.722, 241.531 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 CIE LCh color 42, 10.722, 241.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

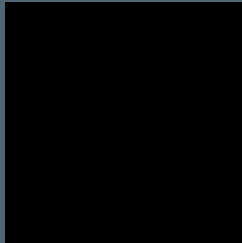
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

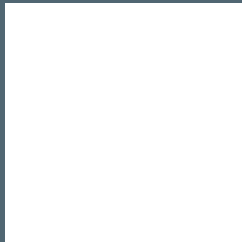
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 10.722, 241.531

Background



This preview shows how black text looks on a background with the CIELCh color 42, 10.722, 241.531.

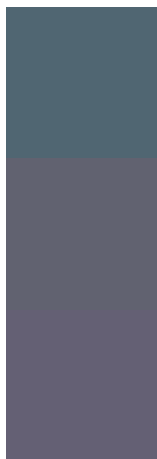


This preview shows how white text looks on a background with the CIELCh color 42, 10.722, 241.531.

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, 10.722, 241.531

Protanopia

42, 8.472, 288.777

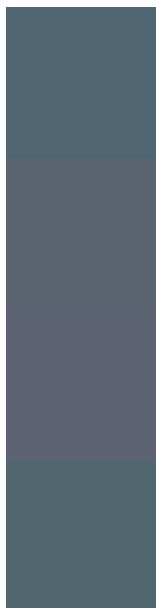
Deuteranopia

42, 12.251, 299.224



Tritanopia
42, 9.767, 228.357

Trichromacy



Original Color
42, 10.722, 241.531

Protanomaly
42, 8.495, 267.260

Deuteranomaly
42, 10.420, 281.102

Tritanomaly
42, 10.026, 231.583

Monochromacy



Original Color
42, 10.722, 241.531

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 3.979, 236.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 10.722, 241.531 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(80, 102, 114)` looks like.

```
.text, #text, p{  
    color:rgb(80, 102, 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(80, 102, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 102, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 10.722, 241.531 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(80, 102, 114) }
```

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

```
.border{ border-color:rgb(80, 102, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 102, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 102, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 102, 114);  
box-shadow:4px 4px 4px 4px rgb(80, 102,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 10.722, 241.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 102, 114) }
```

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

```
.background{ background-color: rgb(80, 102,  
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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