

Converting Colors

CIELCh(42, 14.030, 237.084)

Have a look what the booklet for
CIELCh(42, 14.030, 237.084)
contains.

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Color

CIELCh(42, 13.862, 236.225)

Conversions

Conversions Part 1

Format	Color
Hex	486876
RGB	72, 104, 118
RGB Percent	28%, 41%, 46%
CMY	0.7189, 0.5934, 0.5386
CMYK	0.39, 0.12, 0.00, 0.54
HSL	198°, 24%, 37%
HSV	198°, 39%, 46%
XYZ	10.8157, 12.5000, 18.8781
YIQ	96.0280, -23.5660, -2.4300

Conversions

Conversions Part 2

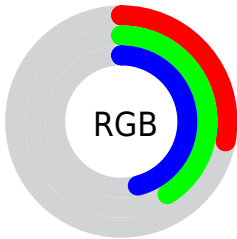
Format	Color
R_{YB}	72, 91, 118
Decimal	4745334
CIE _{Lab}	42.00, -7.71, -11.52
CIE _{LCh}	42, 13.862, 236.225
Yxy	12.5000, 0.2563, 0.2963
Android (android.graphics.Color)	4282935414 (0xFF486876)
YUV	96.0280, 10.8322, -21.0726
Hunter-Lab	35.3553, -7.2662, -6.9093

Details

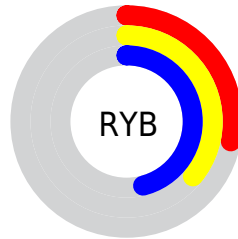
The CIELCh color $42, 13.862, 236.225$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 17.448, 49.909$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 13.942, 235.956$, and $22, 14.030, 236.689$ is the 20% darker color. If you saturate the color by 10%, you get $40, 16.828, 237.992$, and if you desaturate by 10%, it is $44, 10.620, 234.809$.

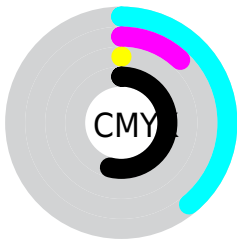
Distribution



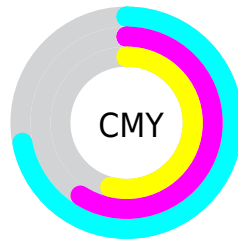
- Red (28%)
- Green (41%)
- Blue (46%)



- Red (28%)
- Yellow (36%)
- Blue (46%)



- Cyan (39%)
- Magenta (12%)
- Yellow (0%)
- Black (54%)





- Cyan (72%)
- Magenta (59%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 13.862, 236.225 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, 13.862, 236.225 by changing the saturation by 10% instead.


 42, 13.862,
236.225


 42, 13.862,
236.225


 100, 13.862,
236.225


 32, 13.862,
236.225

 62, 13.862,
236.225


 22, 13.862,
236.225

 72, 13.862,
236.225


 12, 13.862,
236.225


 82, 13.862,
236.225

 2, 13.862, 236.225

 92, 13.862,
236.225

 0, 13.862, 236.225

 42, 13.862,

 42, 13.862,

236.225

40, 16.828,
237.992

39, 19.487,
240.193

37, 21.818,
242.905

35, 23.827,
246.198

34, 25.555,
250.114

33, 27.175,
254.331

33, 27.330,
254.696

236.225

44, 10.620,
234.809

46, 7.143, 233.691

48, 3.473, 232.838

50, 0.352, 51.051

52, 4.299, 51.366

54, 8.337, 50.946

56, 12.440, 50.594

58, 16.590, 50.309

60, 20.768, 50.079

Harmonies

Complementary

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



42, 13.862, 236.225



39, 17.448, 49.909

Rectangle

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



42, 13.862, 236.225



42, 13.862, 286.225



42, 13.862, 56.225



42, 13.862, 106.225

Sweetspot

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



42, 13.862, 236.222



60, 5.651, 233.081



46, 26.663, 151.099



31, 3.719, 233.158



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 13.862, 236.222



52, 20.044, 237.816



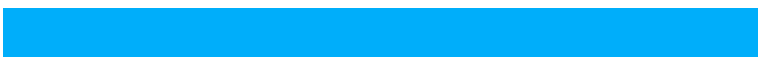
35, 23.053, 285.999



24, 2.146, 232.834



34, 28.165, 254.926



67, 49.004, 257.946

Inverse Universe

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



37, 26.890, 337.238



45, 39.685, 338.004



46, 22.011, 96.017



23, 3.843, 335.008



26, 53.838, 344.420



55, 90.341, 345.623

Previews

White Background



This preview shows how the CIE LCh color 42, 13.862, 236.225 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, 13.862, 236.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

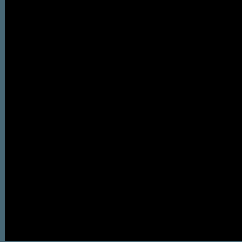
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 13.862, 236.225

Background



This preview shows how black text looks on a background with the CIELCh color 42, 13.862, 236.225.



This preview shows how white text looks on a background with the CIELCh color 42, 13.862, 236.225.

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, 13.862, 236.225

Protanopia

42, 9.695, 287.017

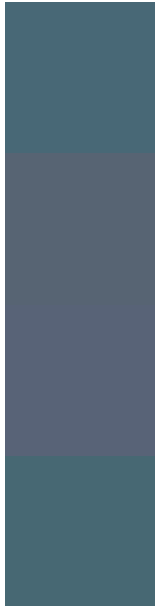
Deuteranopia

42, 13.332, 293.762



Tritanopia
42, 13.207, 222.642

Trichromacy



Original Color
42, 13.862, 236.225

Protanomaly
42, 10.172, 262.659

Deuteranomaly
42, 12.645, 273.089

Tritanomaly
42, 13.327, 228.368

Monochromacy



Original Color
42, 13.862, 236.225

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 5.565, 232.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 13.862, 236.225 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(72, 104, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 104, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 13.862, 236.225 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, 118) }
```

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

```
.border{ border-color:rgb(72, 104, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 104, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 104, 118);  
box-shadow:4px 4px 4px 4px rgb(72, 104,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 13.862, 236.225 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, 118) }
```

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

```
.background{ background-color: rgb(72, 104,  
118) }
```

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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