

Converting Colors

CIELCh(42, 14.434, 209.808)

Have a look what the booklet for
CIELCh(42, 14.434, 209.808)
contains.

CIELCh(42, 14.522, 207.441)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 14.522, 207.441)

Conversions

Conversions Part 1

Format	Color
Hex	426A6E
RGB	66, 106, 110
RGB Percent	26%, 42%, 43%
CMY	0.7425, 0.5857, 0.5700
CMYK	0.40, 0.04, 0.00, 0.57
HSL	185°, 25%, 34%
HSV	185°, 40%, 43%
XYZ	10.1365, 12.5000, 16.5298
YIQ	94.4960, -25.1240, -7.2360

Conversions

Conversions Part 2

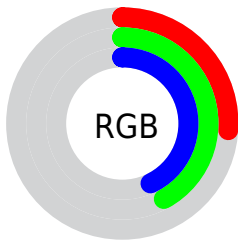
Format	Color
R_{YB}	66, 87, 110
Decimal	4352622
CIE Lab	42.00, -12.89, -6.69
CIE LCh	42, 14.522, 207.441
Yxy	12.5000, 0.2588, 0.3192
Android (android.graphics.Color)	4282542702 (0xFF426A6E)
YUV	94.4960, 7.6435, -24.9910
Hunter-Lab	35.3553, -10.6952, -2.9714

Details

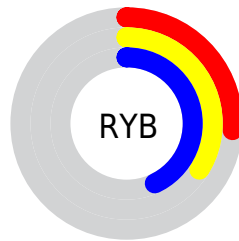
The CIELCh color **42, 14.522, 207.441** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 19.190, 29.749**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 14.540, 209.398**, and **22, 14.639, 207.684** is the 20% darker color. If you saturate the color by 10%, you get **41, 17.304, 207.648**, and if you desaturate by 10%, it is **43, 11.347, 207.366**.

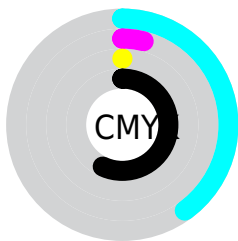
Distribution



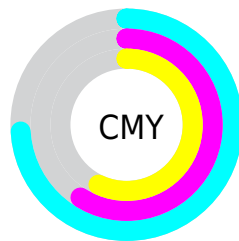
- Red (26%)
- Green (42%)
- Blue (43%)



- Red (26%)
- Yellow (34%)
- Blue (43%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (57%)





- Cyan (74%)
- Magenta (59%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 14.522, 207.441 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, 14.522, 207.441 by changing the saturation by 10% instead.


 42, 14.522,
207.441


 42, 14.522,
207.441


 100, 14.522,
207.441


 32, 14.522,
207.441

 62, 14.522,
207.441


 22, 14.522,
207.441

 72, 14.522,
207.441

 12, 14.522,
207.441

 82, 14.522,
207.441

 2, 14.522, 207.441

 92, 14.522,
207.441

 0, 14.522, 207.441

 42, 14.522,

 42, 14.522,

207.441

207.441

■ 41, 17.304,
207.648

■ 43, 11.347,
207.366

■ 40, 19.639,
208.021

■ 44, 7.837, 207.414

■ 40, 21.486,
208.585

■ 45, 4.053, 207.581

■ 46, 0.051, 214.747

■ 39, 22.826,
209.371

■ 48, 4.120, 27.856

■ 39, 23.663,
210.405

■ 49, 8.416, 28.198

■ 50, 12.799, 28.542

■ 38, 24.233,
211.551

■ 52, 17.240, 28.903

■ 53, 21.714, 29.276

Harmonies

Complementary

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



42, 14.522, 207.441



34, 19.190, 29.749

Rectangle

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



42, 14.522, 207.441



42, 14.522, 257.441



42, 14.522, 27.441



42, 14.522, 77.441

Sweetspot

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



42, 14.522, 207.438



58, 5.934, 207.531



42, 30.274, 143.860



29, 3.899, 207.514



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, 14.522, 207.438



53, 20.666, 207.625



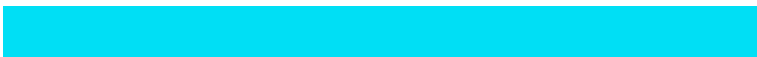
35, 16.988, 270.346



22, 2.213, 207.612



41, 25.411, 211.677



81, 43.534, 212.690

Inverse Universe

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



34, 30.091, 329.187



42, 44.144, 329.678



40, 17.916, 78.866



21, 4.141, 327.454



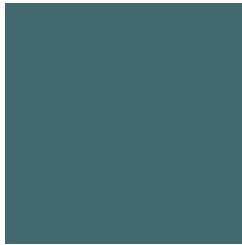
26, 60.803, 332.045



57, 104.208, 332.293

Previews

White Background



This preview shows how the CIELCh color 42, 14.522, 207.441 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, 14.522, 207.441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

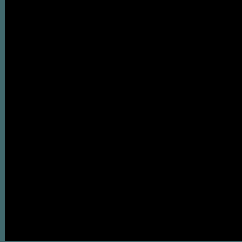
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

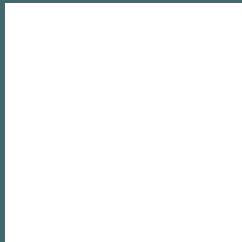
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 14.522, 207.441

Background



This preview shows how black text looks on a background with the CIELCh color 42, 14.522, 207.441.



This preview shows how white text looks on a background with the CIELCh color 42, 14.522, 207.441.

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, 14.522, 207.441

Protanopia

42, 4.263, 296.267

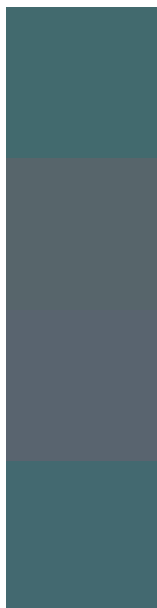
Deuteranopia

42, 10.021, 305.311



Tritanopia
42, 14.327, 220.471

Trichromacy



Original Color
42, 14.522, 207.441

Protanomaly
42, 6.478, 233.076

Deuteranomaly
42, 7.788, 258.096

Tritanomaly
42, 14.090, 215.541

Monochromacy



Original Color
42, 14.522, 207.441

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 5.687, 211.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 14.522, 207.441 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(66, 106, 110)` looks like.

```
.text, #text, p{  
    color:rgb(66, 106, 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(66, 106, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 106, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 14.522, 207.441 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(66, 106, 110) }
```

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

```
.border{ border-color:rgb(66, 106, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 106, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 106, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 106, 110);  
box-shadow:4px 4px 4px 4px rgb(66, 106,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 14.522, 207.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 106, 110) }
```

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

```
.background{ background-color: rgb(66, 106,  
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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