

Converting Colors

CIELCh(42, 13.933, 197.770)

Have a look what the booklet for
CIELCh(42, 13.933, 197.770)
contains.

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Color

CIELCh(42, 14.052, 197.765)

Conversions

Conversions Part 1

Format	Color
Hex	446A6A
RGB	68, 106, 106
RGB Percent	27%, 42%, 42%
CMY	0.7345, 0.5855, 0.5855
CMYK	0.36, 0.00, 0.00, 0.59
HSL	180°, 22%, 34%
HSV	180°, 36%, 41%
XYZ	10.0733, 12.5000, 15.4371
YIQ	94.6380, -22.6480, -8.0560

Conversions

Conversions Part 2

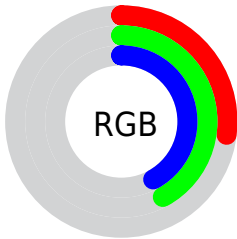
Format	Color
R _{YB}	68, 87, 106
Decimal	4483690
CIE Lab	42.00, -13.38, -4.29
CIE LCh	42, 14.052, 197.765
Yxy	12.5000, 0.2650, 0.3289
Android (android.graphics.Color)	4282673770 (0xFF446A6A)
YUV	94.6380, 5.6015, -23.3615
Hunter-Lab	35.3553, -11.0143, -1.1389

Details

The CIELCh color **42, 14.052, 197.765** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 17.768, 22.402**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 13.932, 198.186**, and **22, 14.137, 196.965** is the 20% darker color. If you saturate the color by 10%, you get **41, 17.204, 197.396**, and if you desaturate by 10%, it is **43, 10.517, 198.181**.

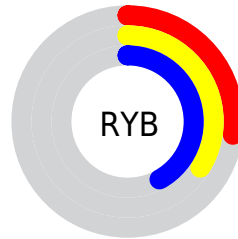
Distribution



Red (27%)

Green (42%)

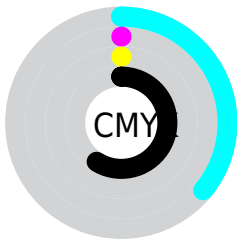
Blue (42%)



Red (27%)

Yellow (34%)

Blue (42%)

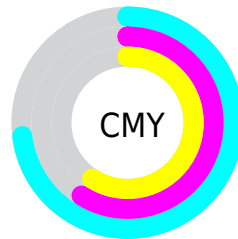


Cyan (36%)

Magenta (0%)

Yellow (0%)

Black (59%)



Cyan (73%)


Magenta (59%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 14.052, 197.765 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, 14.052, 197.765 by changing the saturation by 10% instead.


 42, 14.052,
197.765


 42, 14.052,
197.765


 100, 14.052,
197.765


 32, 14.052,
197.765

 62, 14.052,
197.765


 22, 14.052,
197.765

 72, 14.052,
197.765


 12, 14.052,
197.765


 82, 14.052,
197.765

 2, 14.052, 197.765

 92, 14.052,
197.765

 0, 14.052, 197.765

 42, 14.052,

 42, 14.052,

197.765

197.765

■ 41, 17.204,
197.396

■ 43, 10.517,
198.181

■ 41, 19.919,
197.087

■ 43, 6.661, 198.656

■ 41, 22.152,
196.836

■ 44, 2.545, 199.233

■ 45, 1.772, 19.426

■ 40, 23.880,
196.644

■ 46, 6.237, 20.116

■ 40, 25.101,
196.509

■ 47, 10.804, 20.708

■ 48, 15.435, 21.298

■ 40, 25.912,
196.420

■ 49, 20.098, 21.892

■ 40, 26.224,
196.386

■ 51, 24.768, 22.485

Harmonies

Complementary

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



42, 14.052, 197.765



33, 17.768, 22.402

Rectangle

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



42, 14.052, 197.765



42, 14.052, 247.765



42, 14.052, 17.765



42, 14.052, 67.765

Sweetspot

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



42, 14.052, 197.762



56, 5.778, 198.901



41, 27.927, 141.999



28, 3.845, 198.850



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 14.052, 197.762



54, 20.166, 197.456



36, 13.432, 260.923



22, 2.415, 199.035



44, 28.237, 196.386



88, 48.589, 196.386

Inverse Universe

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



34, 27.906, 326.263



42, 41.129, 326.652



38, 14.769, 71.208



21, 4.407, 324.881



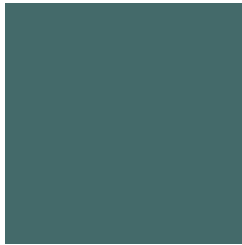
27, 65.115, 328.233



58, 112.048, 328.233

Previews

White Background



This preview shows how the CIE LCh color 42, 14.052, 197.765 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, 14.052, 197.765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

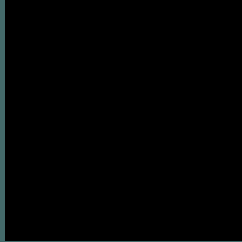
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 14.052, 197.765

Background



This preview shows how black text looks on a background with the CIELCh color 42, 14.052, 197.765.



This preview shows how white text looks on a background with the CIELCh color 42, 14.052, 197.765.

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, 14.052, 197.765

Protanopia

42, 2.007, 314.731

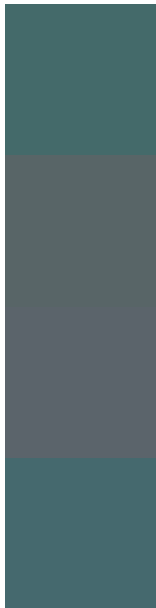
Deuteranopia

42, 7.993, 315.092



Tritanopia
42, 13.335, 219.467

Trichromacy



Original Color
42, 14.052, 197.765

Protanomaly
42, 5.290, 212.112

Deuteranomaly
42, 5.458, 250.181

Tritanomaly
42, 13.347, 211.132

Monochromacy



Original Color
42, 14.052, 197.765

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 5.634, 198.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 14.052, 197.765 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(68, 106, 106)` looks like.

```
.text, #text, p{  
    color:rgb(68, 106, 106)  
}
```

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(68, 106, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 106, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 14.052, 197.765 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(68, 106, 106) }
```

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

```
.border{ border-color:rgb(68, 106, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 106, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 106, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 106, 106);  
box-shadow:4px 4px 4px 4px rgb(68, 106,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 14.052, 197.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 106, 106) }
```

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

```
.background{ background-color: rgb(68, 106,  
106) }
```

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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