

Converting Colors

CIELCh(42, 16.058, 197.938)

Have a look what the booklet for
CIELCh(42, 16.058, 197.938)
contains.

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Color

CIELCh(42, 16.185, 197.530)

Conversions

Conversions Part 1

Format	Color
Hex	3E6B6B
RGB	62, 107, 107
RGB Percent	24%, 42%, 42%
CMY	0.7584, 0.5819, 0.5819
CMYK	0.42, 0.00, 0.00, 0.58
HSL	180°, 27%, 33%
HSV	180°, 42%, 42%
XYZ	9.8136, 12.5000, 15.6995
YIQ	93.5450, -26.8200, -9.5400

Conversions

Conversions Part 2

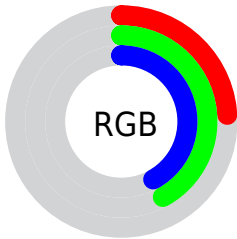
Format	Color
R_{YB}	62, 85, 107
Decimal	4090731
CIE _{Lab}	42.00, -15.43, -4.88
CIE _{LCh}	42, 16.185, 197.530
Yxy	12.5000, 0.2582, 0.3288
Android (android.graphics.Color)	4282280811 (0xFF3E6B6B)
YUV	93.5450, 6.6333, -27.6650
Hunter-Lab	35.3553, -12.3256, -1.5789

Details

The CIELCh color **42, 16.185, 197.530** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 21.449, 23.274**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 16.545, 196.003**, and **22, 15.933, 199.135** is the 20% darker color. If you saturate the color by 10%, you get **42, 19.087, 197.197**, and if you desaturate by 10%, it is **43, 12.861, 197.913**.

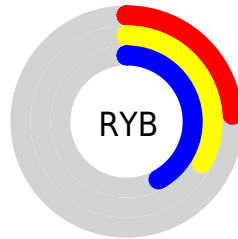
Distribution



Red (24%)

Green (42%)

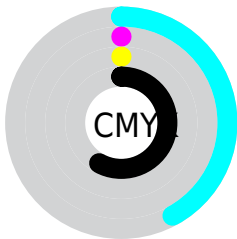
Blue (42%)



Red (24%)

Yellow (33%)

Blue (42%)

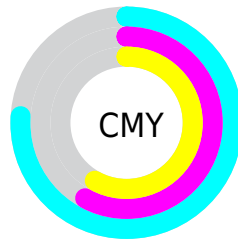


Cyan (42%)

Magenta (0%)

Yellow (0%)

Black (58%)



Cyan (76%)


Magenta (58%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 16.185, 197.530 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, 16.185, 197.530 by changing the saturation by 10% instead.


 42, 16.185,
197.530


 42, 16.185,
197.530


 100, 16.185,
197.530


 32, 16.185,
197.530

 62, 16.185,
197.530


 22, 16.185,
197.530

 72, 16.185,
197.530


 12, 16.185,
197.530


 82, 16.185,
197.530

 2, 16.185, 197.530

 92, 16.185,
197.530

 0, 16.185, 197.530

 42, 16.185,

 42, 16.185,

197.530

197.530

■ 42, 19.087,
197.197

■ 43, 12.861,
197.913

■ 41, 21.519,
196.924

■ 43, 9.174, 198.353

■ 41, 23.447,
196.710

■ 44, 5.186, 198.853

■ 45, 0.959, 199.656

■ 41, 24.862,
196.555

■ 46, 3.451, 19.726

■ 40, 25.787,
196.455

■ 47, 7.991, 20.341

■ 48, 12.618, 20.932

■ 40, 26.382,
196.390

■ 49, 17.297, 21.524

■ 50, 21.998, 22.118

Harmonies

Complementary

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



42, 16.185, 197.530



31, 21.449, 23.274

Rectangle

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



42, 16.185, 197.530



42, 16.185, 247.530



42, 16.185, 17.530



42, 16.185, 67.530

Sweetspot

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



42, 16.185, 197.527



56, 6.793, 198.792



41, 32.869, 141.428



28, 4.697, 198.703



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, 16.185, 197.527



53, 22.983, 197.192



35, 15.811, 262.262



22, 2.415, 199.037



44, 28.236, 196.390



88, 48.587, 196.390

Inverse Universe

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



33, 32.805, 326.563



40, 48.099, 327.011



37, 17.711, 70.458



21, 4.407, 324.881



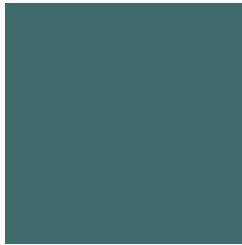
27, 65.113, 328.234



58, 112.046, 328.234

Previews

White Background



This preview shows how the CIELCh color 42, 16.185, 197.530 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, 16.185, 197.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

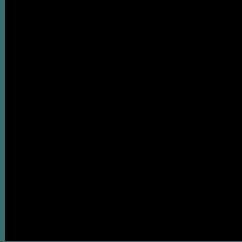
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

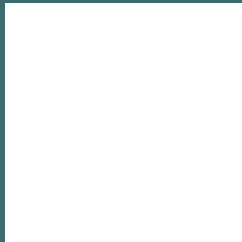
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 16.185, 197.530

Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.185, 197.530.



This preview shows how white text looks on a background with the CIELCh color 42, 16.185, 197.530.

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, 16.185, 197.530

Protanopia

42, 2.570, 309.200

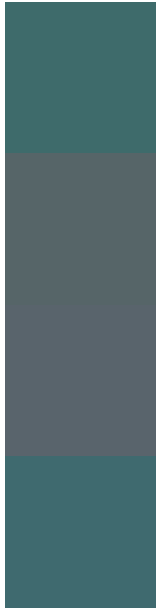
Deuteranopia

42, 8.547, 313.455



Tritanopia
42, 15.149, 219.110

Trichromacy



Original Color
42, 16.185, 197.530

Protanomaly
42, 6.146, 216.015

Deuteranomaly
42, 6.387, 248.539

Tritanomaly
42, 15.413, 209.110

Monochromacy



Original Color
42, 16.185, 197.530

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 6.404, 198.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 16.185, 197.530 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(62, 107, 107)` looks like.

```
.text, #text, p{  
    color:rgb(62, 107, 107)  
}
```

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(62, 107, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 107, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 16.185, 197.530 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(62, 107, 107) }
```

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

```
.border{ border-color:rgb(62, 107, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 107, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 107, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 107, 107);  
box-shadow:4px 4px 4px 4px rgb(62, 107,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 16.185, 197.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 107, 107) }
```

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

```
.background{ background-color: rgb(62, 107,  
107) }
```

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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