

Converting Colors

CIELCh(42, 13.755, 197.693)

Have a look what the booklet for
CIELCh(42, 13.755, 197.693)
contains.

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Color

CIELCh(42, 13.733, 197.802)

Conversions

Conversions Part 1

Format	Color
Hex	456A6A
RGB	69, 106, 106
RGB Percent	27%, 42%, 42%
CMY	0.7311, 0.5860, 0.5860
CMYK	0.35, 0.00, 0.00, 0.59
HSL	180°, 21%, 34%
HSV	180°, 35%, 41%
XYZ	10.1125, 12.5000, 15.3977
YIQ	94.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

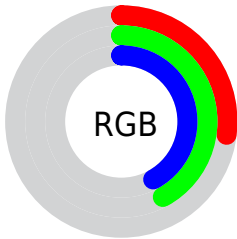
Format	Color
R_{YB}	69, 88, 106
Decimal	4549226
CIE _{Lab}	42.00, -13.08, -4.20
CIE _{LCh}	42, 13.733, 197.802
Yxy	12.5000, 0.2660, 0.3289
Android (android.graphics.Color)	4282739306 (0xFF456A6A)
YUV	94.9370, 5.4541, -22.7467
Hunter-Lab	35.3553, -10.8164, -1.0728

Details

The CIELCh color **42, 13.733, 197.802** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 17.249, 22.289**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 13.604, 198.216**, and **22, 13.897, 197.005** is the 20% darker color. If you saturate the color by 10%, you get **41, 16.919, 197.428**, and if you desaturate by 10%, it is **43, 10.170, 198.223**.

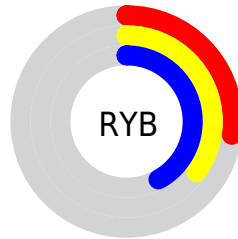
Distribution



Red (27%)

Green (42%)

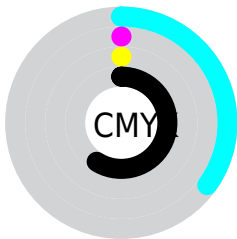
Blue (42%)



Red (27%)

Yellow (35%)

Blue (42%)

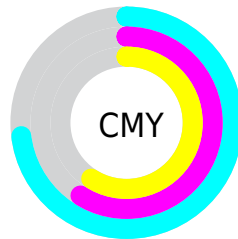


Cyan (35%)

Magenta (0%)

Yellow (0%)

Black (59%)



Cyan (73%)

Magenta (59%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 13.733, 197.802 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, 13.733, 197.802 by changing the saturation by 10% instead.

■ 42, 13.733,
197.802

■ 42, 13.733,
197.802

■ 100, 13.733,
197.802

■ 32, 13.733,
197.802

■ 62, 13.733,
197.802

■ 22, 13.733,
197.802

■ 72, 13.733,
197.802

■ 12, 13.733,
197.802

■ 82, 13.733,
197.802

■ 2, 13.733, 197.802

■ 92, 13.733,
197.802

■ 0, 13.733, 197.802

■ 42, 13.733,

■ 42, 13.733,

197.802

197.802

■ 41, 16.919,
197.428

■ 43, 10.170,
198.223

■ 41, 19.672,
197.114

■ 43, 6.292, 198.703

■ 41, 21.949,
196.857

■ 44, 2.160, 199.305

■ 45, 2.168, 19.512

■ 40, 23.721,
196.660

■ 46, 6.639, 20.171

■ 40, 24.987,
196.521

■ 47, 11.208, 20.762

■ 48, 15.838, 21.352

■ 40, 25.818,
196.430

■ 50, 20.497, 21.946

■ 40, 26.200,
196.388

■ 51, 25.162, 22.539

Harmonies

Complementary

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



42, 13.733, 197.802



33, 17.249, 22.289

Rectangle

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



42, 13.733, 197.802



42, 13.733, 247.802



42, 13.733, 17.802



42, 13.733, 67.802

Sweetspot

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



42, 13.733, 197.799



56, 5.778, 198.902



41, 27.209, 142.078



28, 3.844, 198.851



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, 13.733, 197.799



54, 19.788, 197.493



36, 13.089, 260.742



22, 2.415, 199.036



44, 28.236, 196.388



88, 48.589, 196.388

Inverse Universe

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



35, 27.193, 326.219



43, 40.226, 326.605



38, 14.353, 71.316



21, 4.407, 324.881



27, 65.114, 328.233



58, 112.047, 328.233

Previews

White Background



This preview shows how the CIELCh color 42, 13.733, 197.802 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, 13.733, 197.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

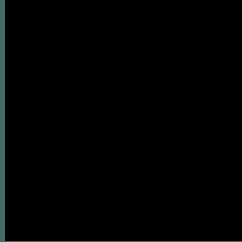
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 13.733, 197.802

Background



This preview shows how black text looks on a background with the CIELCh color 42, 13.733, 197.802.



This preview shows how white text looks on a background with the CIELCh color 42, 13.733, 197.802.

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, 13.733, 197.802

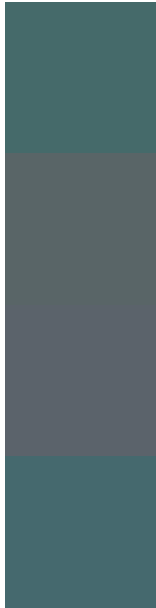
Protanopia
42, 2.007, 314.731

Deuteranopia
42, 7.993, 315.092



Tritanopia
42, 13.207, 222.642

Trichromacy



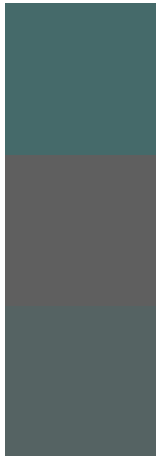
Original Color
42, 13.733, 197.802

Protanomaly
42, 4.915, 213.187

Deuteranomaly
42, 5.716, 257.367

Tritanomaly
42, 13.347, 211.132

Monochromacy



Original Color
42, 13.733, 197.802

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 5.626, 198.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 13.733, 197.802 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(69, 106, 106)` looks like.

```
.text, #text, p{  
    color:rgb(69, 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(69, 106, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 106, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 13.733, 197.802 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(69, 106, 106) }
```

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

```
.border{ border-color:rgb(69, 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(69, 106, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 106, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 106, 106);  
box-shadow:4px 4px 4px 4px rgb(69, 106,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 13.733, 197.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 106, 106) }
```

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

```
.background{ background-color: rgb(69, 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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