

Converting Colors

CIELCh(42, 11.971, 198.414)

Have a look what the booklet for
CIELCh(42, 11.971, 198.414)
contains.

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Color

CIELCh(42, 12.097, 197.986)

Conversions

Conversions Part 1

Format	Color
Hex	496969
RGB	73, 105, 105
RGB Percent	29%, 41%, 41%
CMY	0.7143, 0.5888, 0.5888
CMYK	0.31, 0.00, 0.00, 0.59
HSL	180°, 18%, 35%
HSV	180°, 31%, 41%
XYZ	10.3148, 12.5000, 15.1932
YIQ	95.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

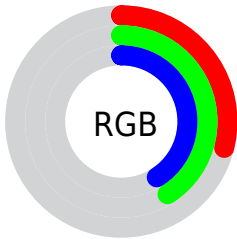
Format	Color
R_{YB}	73, 89, 105
Decimal	4811113
CIE _{Lab}	42.00, -11.51, -3.74
CIE _{LCh}	42, 12.097, 197.986
Yxy	12.5000, 0.2714, 0.3289
Android (android.graphics.Color)	4283001193 (0xFF496969)
YUV	95.4320, 4.7170, -19.6729
Hunter-Lab	35.3553, -9.7950, -0.7300

Details

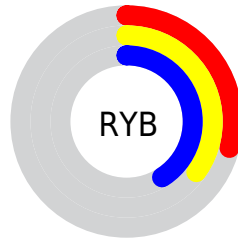
The CIELCh color **42, 12.097, 197.986** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 14.704, 21.751**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 11.948, 198.362**, and **22, 12.286, 197.254** is the 20% darker color. If you saturate the color by 10%, you get **41, 15.443, 197.587**, and if you desaturate by 10%, it is **43, 8.404, 198.430**.

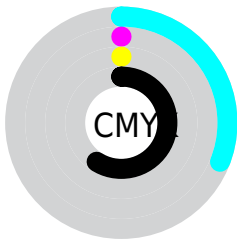
Distribution



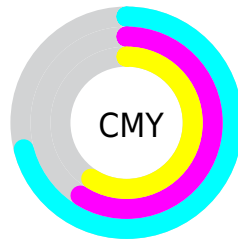
- Red (29%)
- Green (41%)
- Blue (41%)



- Red (29%)
- Yellow (35%)
- Blue (41%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (59%)




- Cyan (71%)
- Magenta (59%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 12.097, 197.986 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, 12.097, 197.986 by changing the saturation by 10% instead.


 42, 12.097,
197.986


 42, 12.097,
197.986

 100, 12.097,
197.986


 32, 12.097,
197.986

 62, 12.097,
197.986


 22, 12.097,
197.986

 72, 12.097,
197.986

 12, 12.097,
197.986


 82, 12.097,
197.986

 2, 12.097, 197.986

 92, 12.097,
197.986

 0, 12.097, 197.986

 42, 12.097,

 42, 12.097,

197.986

■ 41, 15.443,
197.587

■ 41, 18.384,
197.247

■ 41, 20.869,
196.964

■ 40, 22.863,
196.740

■ 40, 24.351,
196.574

■ 40, 25.346,
196.464

■ 40, 26.075,
196.383

197.986

■ 43, 8.404, 198.430

■ 43, 4.425, 198.944

■ 44, 0.222, 200.933

■ 45, 4.153, 19.832

■ 46, 8.648, 20.435

■ 47, 13.223, 21.025

■ 49, 17.843, 21.616

■ 50, 22.482, 22.210

■ 51, 27.117, 22.802

Harmonies

Complementary

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



42, 12.097, 197.986



34, 14.704, 21.751

Rectangle

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



42, 12.097, 197.986



42, 12.097, 247.986



42, 12.097, 17.986



42, 12.097, 67.986

Sweetspot

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



42, 12.097, 197.982



55, 4.679, 199.017



41, 23.477, 142.065



29, 3.268, 198.953



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, 12.097, 197.982



53, 17.555, 197.681



37, 11.189, 257.996



22, 2.415, 199.033



44, 28.237, 196.383



88, 48.590, 196.383

Inverse Universe

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



34, 14.704, 21.751



42, 22.530, 22.665



39, 12.209, 70.102



21, 2.547, 19.850



23, 56.952, 37.577



51, 101.390, 40.000

Previews

White Background



This preview shows how the CIELCh color 42, 12.097, 197.986 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, 12.097, 197.986 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, 12.097, 197.986

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.097, 197.986.



This preview shows how white text looks on a background with the CIELCh color 42, 12.097, 197.986.

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, 12.097, 197.986

Protanopia

42, 2.007, 314.731

Deuteranopia

42, 7.636, 319.768



Tritanopia
42, 11.568, 223.146

Trichromacy



Original Color
42, 12.097, 197.986

Protanomaly
42, 4.172, 215.915

Deuteranomaly
42, 4.817, 261.071

Tritanomaly
42, 11.471, 213.548

Monochromacy



Original Color
42, 12.097, 197.986

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 4.847, 198.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.097, 197.986 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(73, 105, 105)` looks like.

```
.text, #text, p{  
    color:rgb(73, 105, 105)  
}
```

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(73, 105, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 105, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.097, 197.986 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(73, 105, 105) }
```

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

```
.border{ border-color:rgb(73, 105, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 105, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 105, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 105, 105);  
box-shadow:4px 4px 4px 4px rgb(73, 105,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.097, 197.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 105, 105) }
```

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

```
.background{ background-color: rgb(73, 105,  
105) }
```

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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