

Converting Colors

CIELCh(42, 12.379, 200.779)

Have a look what the booklet for
CIELCh(42, 12.379, 200.779)
contains.

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Color

CIELCh(42, 12.371, 200.786)

Conversions

Conversions Part 1

Format	Color
Hex	48696A
RGB	72, 105, 106
RGB Percent	28%, 41%, 42%
CMY	0.7180, 0.5885, 0.5846
CMYK	0.32, 0.01, 0.00, 0.58
HSL	182°, 19%, 35%
HSV	182°, 32%, 42%
XYZ	10.3070, 12.5000, 15.4828
YIQ	95.2470, -19.9890, -6.6850

Conversions

Conversions Part 2

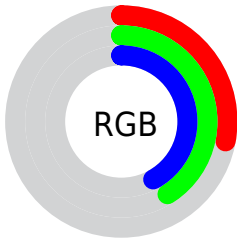
Format	Color
R_{YB}	72, 89, 106
Decimal	4745578
CIE _{Lab}	42.00, -11.57, -4.39
CIE _{LCh}	42, 12.371, 200.786
Yxy	12.5000, 0.2692, 0.3265
Android (android.graphics.Color)	4282935658 (0xFF48696A)
YUV	95.2470, 5.3012, -20.3876
Hunter-Lab	35.3553, -9.8342, -1.2155

Details

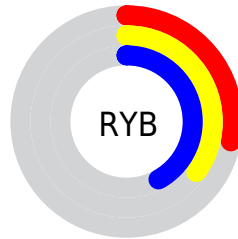
The CIELCh color **42, 12.371, 200.786** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 15.265, 24.114**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 12.245, 200.985**, and **22, 12.460, 200.366** is the 20% darker color. If you saturate the color by 10%, you get **41, 15.577, 200.536**, and if you desaturate by 10%, it is **43, 8.813, 201.101**.

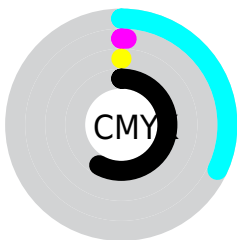
Distribution



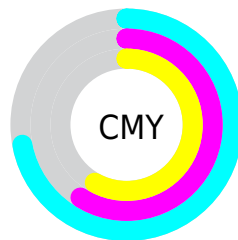
- Red (28%)
- Green (41%)
- Blue (42%)



- Red (28%)
- Yellow (35%)
- Blue (42%)



- Cyan (32%)
- Magenta (1%)
- Yellow (0%)
- Black (58%)




- Cyan (72%)
- Magenta (59%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.371, 200.786 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, 12.371, 200.786 by changing the saturation by 10% instead.


 42, 12.371,
200.786


 42, 12.371,
200.786


 100, 12.371,
200.786


 32, 12.371,
200.786

 62, 12.371,
200.786


 22, 12.371,
200.786

 72, 12.371,
200.786

 12, 12.371,
200.786


 82, 12.371,
200.786

 2, 12.371, 200.786

 92, 12.371,
200.786

 0, 12.371, 200.786

 42, 12.371,

 42, 12.371,

200.786

■ 41, 15.577,
200.536

■ 41, 18.372,
200.370

■ 40, 20.707,
200.292

■ 40, 22.547,
200.311

■ 39, 23.879,
200.433

■ 39, 24.723,
200.661

■ 39, 25.263,
200.863

200.786

■ 43, 8.813, 201.101

■ 44, 4.963, 201.495

■ 45, 0.880, 202.232

■ 46, 3.381, 22.181

■ 47, 7.772, 22.717

■ 48, 12.252, 23.232

■ 49, 16.787, 23.752

■ 50, 21.350, 24.278

■ 52, 25.920, 24.805

Harmonies

Complementary

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



42, 12.371, 200.786



35, 15.265, 24.114

Rectangle

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



42, 12.371, 200.786



42, 12.371, 250.786



42, 12.371, 20.786



42, 12.371, 70.786

Sweetspot

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



42, 12.371, 200.782



56, 5.112, 201.579



41, 24.743, 142.762



28, 3.453, 201.532



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, 12.371, 200.782



53, 18.058, 200.580



37, 12.253, 261.996



22, 2.344, 201.643



43, 27.152, 200.916



86, 46.621, 201.196

Inverse Universe

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



35, 24.529, 326.897



44, 36.758, 327.297



39, 13.206, 73.381



21, 4.320, 325.677



27, 63.691, 329.386



58, 109.456, 329.456

Previews

White Background



This preview shows how the CIELCh color 42, 12.371, 200.786 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, 12.371, 200.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

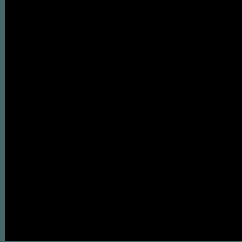
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

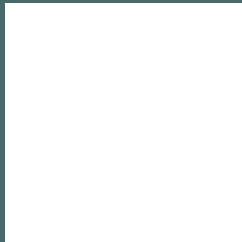
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 12.371, 200.786

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.371, 200.786.



This preview shows how white text looks on a background with the CIELCh color 42, 12.371, 200.786.

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, 12.371, 200.786

Protanopia

42, 2.570, 309.200

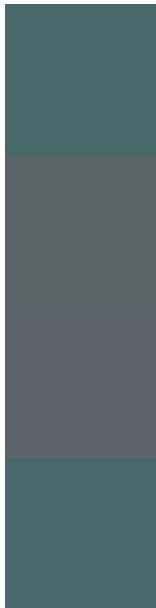
Deuteranopia

42, 7.993, 315.092



Tritanopia
42, 12.165, 221.792

Trichromacy



Original Color
42, 12.371, 200.786

Protanomaly
42, 4.541, 214.438

Deuteranomaly
42, 5.520, 260.787

Tritanomaly
42, 11.887, 216.045

Monochromacy



Original Color
42, 12.371, 200.786

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, 12.371, 200.786 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(72, 105, 106)` looks like.

```
.text, #text, p{  
    color:rgb(72, 105, 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(72, 105, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 105, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.371, 200.786 is called "border". The border property can be set on classes, ids or directly on the HTML element.

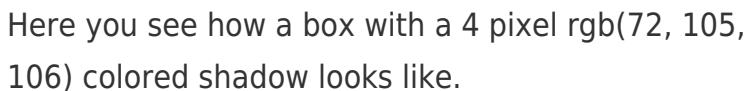
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(72, 105, 106) }
```

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

```
.border{ border-color:rgb(72, 105, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(72, 105, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 105, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 105, 106);  
box-shadow:4px 4px 4px 4px rgb(72, 105,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.371, 200.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 105, 106) }
```

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

```
.background{ background-color: rgb(72, 105,  
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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