

Converting Colors

CIELCh(42, 12.350, 203.483)

Have a look what the booklet for
CIELCh(42, 12.350, 203.483)
contains.

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Color

CIELCh(42, 12.339, 203.649)

Conversions

Conversions Part 1

Format	Color
Hex	48696B
RGB	72, 105, 107
RGB Percent	28%, 41%, 42%
CMY	0.7183, 0.5889, 0.5810
CMYK	0.33, 0.02, 0.00, 0.58
HSL	183°, 20%, 35%
HSV	183°, 33%, 42%
XYZ	10.3412, 12.5000, 15.7330
YIQ	95.3610, -20.3100, -6.3740

Conversions

Conversions Part 2

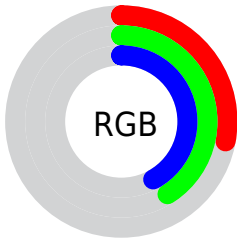
Format	Color
R_{YB}	72, 89, 107
Decimal	4745579
CIE _{Lab}	42.00, -11.30, -4.95
CIE _{LCh}	42, 12.339, 203.649
Yxy	12.5000, 0.2681, 0.3241
Android (android.graphics.Color)	4282935659 (0xFF48696B)
YUV	95.3610, 5.7380, -20.4876
Hunter-Lab	35.3553, -9.6618, -1.6351

Details

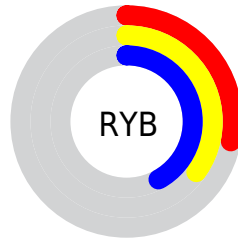
The CIELCh color **42, 12.339, 203.649** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 15.344, 26.347**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 12.230, 203.652**, and **22, 12.385, 203.575** is the 20% darker color. If you saturate the color by 10%, you get **41, 15.451, 203.552**, and if you desaturate by 10%, it is **43, 8.876, 203.832**.

Distribution



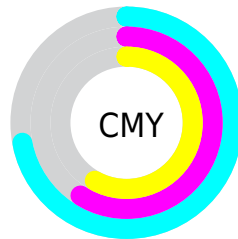
- Red (28%)
- Green (41%)
- Blue (42%)



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



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (58%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 12.339, 203.649 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, 12.339, 203.649 by changing the saturation by 10% instead.

 42, 12.339,
203.649


 42, 12.339,
203.649


 100, 12.339,
203.649


 32, 12.339,
203.649

 62, 12.339,
203.649


 22, 12.339,
203.649

 72, 12.339,
203.649


 12, 12.339,
203.649


 82, 12.339,
203.649

 2, 12.339, 203.649

 92, 12.339,
203.649

 0, 12.339, 203.649

 42, 12.339,

 42, 12.339,

203.649

■ 41, 15.451,
203.552

■ 41, 18.153,
203.566

■ 40, 20.395,
203.703

■ 39, 22.144,
203.979

■ 39, 23.385,
204.411

■ 39, 24.145,
205.005

■ 38, 24.597,
205.459

203.649

■ 43, 8.876, 203.832

■ 44, 5.121, 204.111

■ 45, 1.132, 204.662

■ 46, 3.037, 24.593

■ 47, 7.339, 25.055

■ 48, 11.736, 25.494

■ 50, 16.193, 25.942

■ 51, 20.684, 26.400

■ 53, 25.189, 26.862

Harmonies

Complementary

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



42, 12.339, 203.649



35, 15.344, 26.347

Rectangle

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



42, 12.339, 203.649



42, 12.339, 253.649



42, 12.339, 23.649



42, 12.339, 73.649

Sweetspot

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



42, 12.339, 203.645



56, 4.976, 204.199



42, 24.854, 143.603



28, 3.361, 204.162



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, 12.339, 203.645



53, 17.566, 203.567



37, 13.054, 265.595



22, 2.282, 204.250



42, 26.269, 205.562



84, 45.037, 206.149

Inverse Universe

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



35, 24.735, 327.744



43, 36.080, 328.122



40, 13.852, 76.634



21, 4.239, 326.459



27, 62.372, 330.543



57, 107.056, 330.688

Previews

White Background



This preview shows how the CIELCh color 42, 12.339, 203.649 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, 12.339, 203.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

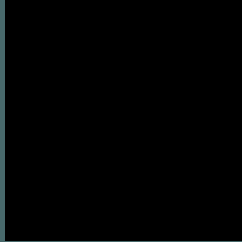
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 12.339, 203.649

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.339, 203.649.



This preview shows how white text looks on a background with the CIELCh color 42, 12.339, 203.649.

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, 12.339, 203.649

Protanopia

42, 3.062, 298.304

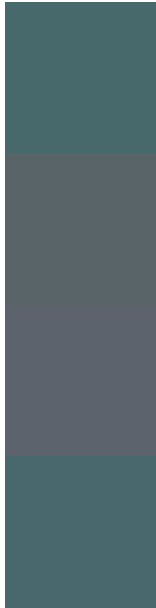
Deuteranopia

42, 8.547, 313.455



Tritanopia
42, 12.165, 221.792

Trichromacy



Original Color
42, 12.339, 203.649

Protanomaly
42, 4.947, 228.378

Deuteranomaly
42, 6.045, 263.841

Tritanomaly
42, 11.887, 216.045

Monochromacy



Original Color
42, 12.339, 203.649

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, 12.339, 203.649 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(72, 105, 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(72, 105, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 105, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.339, 203.649 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, 107) }
```

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

```
.border{ border-color:rgb(72, 105, 107) }
```

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, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 105, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 105, 107);  
box-shadow:4px 4px 4px 4px rgb(72, 105,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.339, 203.649 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, 107) }
```

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

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