

Converting Colors

CIELCh(42, 17.428, 239.818)

Have a look what the booklet for
CIELCh(42, 17.428, 239.818)
contains.

CIELCh(42, 17.428, 239.818)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 17.428, 239.818)

Conversions

Conversions Part 1

Format	Color
Hex	3F687B
RGB	63, 104, 123
RGB Percent	25%, 41%, 48%
CMY	0.7512, 0.5905, 0.5159
CMYK	0.49, 0.15, 0.00, 0.52
HSL	199°, 32%, 37%
HSV	199°, 49%, 48%
XYZ	10.6750, 12.5000, 20.7350
YIQ	93.9070, -30.5350, -2.7830

Conversions

Conversions Part 2

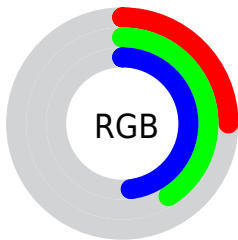
Format	Color
R_{YB}	63, 87, 123
Decimal	4155515
CIE _{Lab}	42.00, -8.76, -15.07
CIE _{LCh}	42, 17.428, 239.818
Yxy	12.5000, 0.2431, 0.2847
Android (android.graphics.Color)	4282345595 (0xFF3F687B)
YUV	93.9070, 14.3428, -27.1054
Hunter-Lab	35.3553, -7.9767, -10.0233

Details

The CIELCh color **42, 17.428, 239.818** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 23.304, 50.836**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 17.674, 240.661**, and **22, 17.338, 239.343** is the 20% darker color. If you saturate the color by 10%, you get **40, 20.251, 242.100**, and if you desaturate by 10%, it is **44, 14.297, 237.974**.

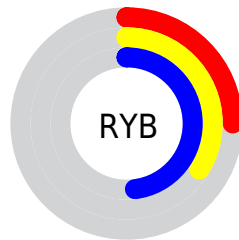
Distribution



Red (25%)

Green (41%)

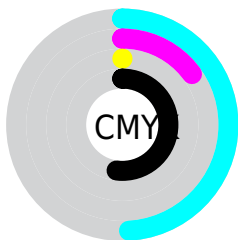
Blue (48%)



Red (25%)

Yellow (34%)

Blue (48%)

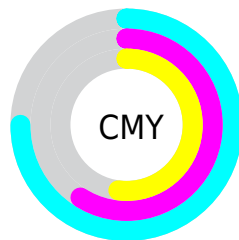


Cyan (49%)

Magenta (15%)

Yellow (0%)

Black (52%)



Cyan (75%)


Magenta (59%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 17.428, 239.818 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, 17.428, 239.818 by changing the saturation by 10% instead.


 42, 17.428,
239.818


 42, 17.428,
239.818


 100, 17.428,
239.818


 32, 17.428,
239.818

 62, 17.428,
239.818


 22, 17.428,
239.818

 72, 17.428,
239.818

 12, 17.428,
239.818


 82, 17.428,
239.818

 2, 17.428, 239.818

 92, 17.428,
239.818

 0, 17.428, 239.818

 42, 17.428,

 42, 17.428,

239.818

■ 40, 20.251,
242.100

■ 38, 22.749,
244.903

■ 37, 24.932,
248.294

■ 35, 26.843,
252.309

■ 34, 28.639,
256.677

■ 34, 28.902,
257.255

239.818

■ 44, 14.297,
237.974

■ 46, 10.893,
236.497

■ 48, 7.255, 235.322

■ 50, 3.424, 234.420

■ 52, 0.561, 52.931

■ 54, 4.665, 52.861

■ 56, 8.859, 52.400

■ 59, 13.117, 52.011

■ 61, 17.419, 51.692

Harmonies

Complementary

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



42, 17.428, 239.818



39, 23.304, 50.836

Rectangle

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



42, 17.428, 239.818



42, 17.428, 289.818



42, 17.428, 59.818



42, 17.428, 109.818

Sweetspot

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



42, 17.427, 239.816



62, 7.306, 234.998



47, 33.716, 150.641



32, 5.005, 235.169



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 17.427, 239.816



52, 24.784, 242.304



33, 30.925, 288.865



25, 2.224, 234.454



34, 29.173, 257.324



67, 50.489, 260.281

Inverse Universe

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



36, 34.109, 338.652



43, 49.292, 339.693



47, 28.805, 95.946



24, 3.947, 335.539



27, 54.196, 345.369



56, 90.315, 346.615

Previews

White Background



This preview shows how the CIE LCh color 42, 17.428, 239.818 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, 17.428, 239.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

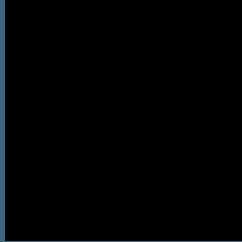
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 17.428, 239.818

Background



This preview shows how black text looks on a background with the CIELCh color 42, 17.428, 239.818.

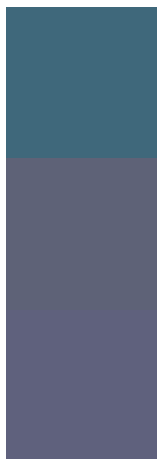


This preview shows how white text looks on a background with the CIELCh color 42, 17.428, 239.818.

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, 17.428, 239.818

Protanopia

42, 12.755, 285.240

Deuteranopia

42, 16.943, 290.150



Tritanopia
42, 16.211, 217.527

Trichromacy



Original Color
42, 17.428, 239.818

Protanomaly
42, 13.908, 265.684

Deuteranomaly
42, 15.396, 270.363

Tritanomaly
42, 16.311, 226.996

Monochromacy



Original Color
42, 17.428, 239.818

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 7.122, 235.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 17.428, 239.818 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(63, 104, 123)` looks like.

```
.text, #text, p{  
    color:rgb(63, 104, 123)  
}
```

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(63, 104, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 104, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 17.428, 239.818 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(63, 104, 123) }
```

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

```
.border{ border-color:rgb(63, 104, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 104, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 104, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 104, 123);  
box-shadow:4px 4px 4px 4px rgb(63, 104,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 17.428, 239.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 104, 123) }
```

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

```
.background{ background-color: rgb(63, 104,  
123) }
```

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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