

Converting Colors

CIELCh(42, 13.503, 195.237)

Have a look what the booklet for
CIELCh(42, 13.503, 195.237)
contains.

CIELCh(42, 13.503, 195.237)	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, 13.503, 195.237)

Conversions

Conversions Part 1

Format	Color
Hex	466A69
RGB	70, 106, 105
RGB Percent	27%, 42%, 41%
CMY	0.7274, 0.5863, 0.5902
CMYK	0.34, 0.00, 0.01, 0.59
HSL	178°, 21%, 34%
HSV	178°, 34%, 41%
XYZ	10.1185, 12.5000, 15.1114
YIQ	95.1220, -21.1350, -7.9430

Conversions

Conversions Part 2

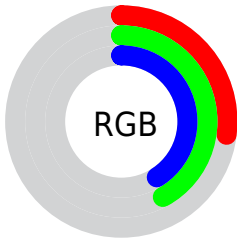
Format	Color
R_{YB}	70, 88, 106
Decimal	4614761
CIE _{Lab}	42.00, -13.03, -3.55
CIE _{LCh}	42, 13.503, 195.237
Yxy	12.5000, 0.2682, 0.3313
Android (android.graphics.Color)	4282804841 (0xFF466A69)
YUV	95.1220, 4.8699, -22.0320
Hunter-Lab	35.3553, -10.7860, -0.5927

Details

The CIELCh color $42, 13.503, 195.237$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $34, 16.651, 20.073$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 13.342, 195.809$, and $22, 13.543, 194.182$ is the 20% darker color. If you saturate the color by 10%, you get $41, 16.779, 194.733$, and if you desaturate by 10%, it is $43, 9.868, 195.767$.

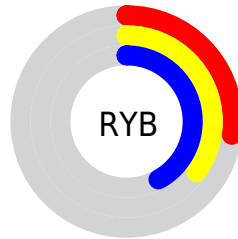
Distribution



Red (27%)

Green (42%)

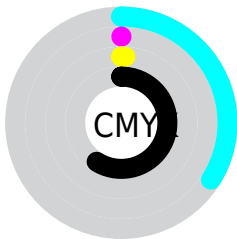
Blue (41%)



Red (27%)

Yellow (35%)

Blue (42%)

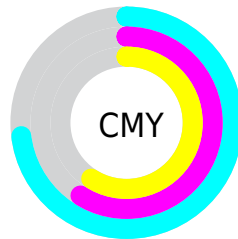


Cyan (34%)

Magenta (0%)

Yellow (1%)

Black (59%)



Cyan (73%)


Magenta (59%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 13.503, 195.237 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, 13.503, 195.237 by changing the saturation by 10% instead.


 42, 13.503,
195.237


 42, 13.503,
195.237


 100, 13.503,
195.237


 32, 13.503,
195.237

 62, 13.503,
195.237


 22, 13.503,
195.237

 72, 13.503,
195.237

 12, 13.503,
195.237


 82, 13.503,
195.237

 2, 13.503, 195.237

 92, 13.503,
195.237

 0, 13.503, 195.237

 42, 13.503,

 42, 13.503,

195.237

■ 41, 16.779,
194.733

■ 41, 19.636,
194.264

■ 41, 22.027,
193.825

■ 40, 23.920,
193.412

■ 40, 25.305,
193.019

■ 40, 26.234,
192.639

■ 40, 26.730,
192.422

195.237

■ 43, 9.868, 195.767

■ 43, 5.935, 196.341

■ 44, 1.767, 197.050

■ 45, 2.579, 17.313

■ 46, 7.052, 18.003

■ 47, 11.608, 18.637

■ 48, 16.210, 19.265

■ 50, 20.831, 19.891

■ 51, 25.447, 20.513

Harmonies

Complementary

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



42, 13.503, 195.237



34, 16.651, 20.073

Rectangle

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



42, 13.503, 195.237



42, 13.503, 245.237



42, 13.503, 15.237



42, 13.503, 65.237

Sweetspot

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



42, 13.503, 195.234



56, 5.281, 196.578



41, 26.206, 141.381



28, 3.568, 196.514



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, 13.503, 195.234



54, 19.570, 194.829



37, 12.336, 256.736



22, 2.421, 196.664



44, 28.827, 192.376



88, 49.672, 192.145

Inverse Universe

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



34, 16.651, 20.073



41, 25.532, 21.204



38, 13.750, 67.921



21, 2.547, 17.599



23, 56.222, 36.485



51, 100.292, 39.203

Previews

White Background



This preview shows how the CIELCh color 42, 13.503, 195.237 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, 13.503, 195.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

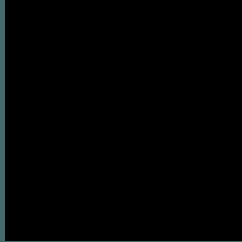
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 13.503, 195.237

Background



This preview shows how black text looks on a background with the CIELCh color 42, 13.503, 195.237.



This preview shows how white text looks on a background with the CIELCh color 42, 13.503, 195.237.

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, 13.503, 195.237

Protanopia

42, 1.479, 324.439

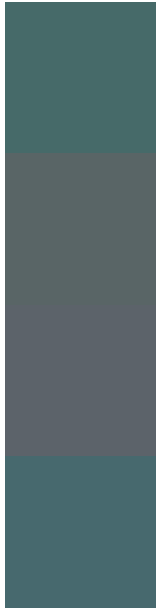
Deuteranopia

42, 7.636, 319.768



Tritanopia
42, 12.634, 223.886

Trichromacy



Original Color
42, 13.503, 195.237

Protanomaly
42, 4.837, 206.089

Deuteranomaly
42, 5.014, 257.123

Tritanomaly
42, 12.730, 211.848

Monochromacy



Original Color
42, 13.503, 195.237

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 5.307, 192.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 13.503, 195.237 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(70, 106, 105)` looks like.

```
.text, #text, p{  
    color:rgb(70, 106, 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(70, 106, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 106, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 13.503, 195.237 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(70, 106, 105) }
```

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

```
.border{ border-color:rgb(70, 106, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 106, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 106, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 106, 105);  
box-shadow:4px 4px 4px 4px rgb(70, 106,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 13.503, 195.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 106, 105) }
```

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

```
.background{ background-color: rgb(70, 106,  
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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