

Converting Colors

CIELCh(42, 0.536, 164.918)

Have a look what the booklet for
CIELCh(42, 0.536, 164.918) contains.

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Color

CIELCh(42, 0.413, 200.154)

Conversions

Conversions Part 1

Format	Color
Hex	626363
RGB	98, 99, 99
RGB Percent	38%, 39%, 39%
CMY	0.6145, 0.6106, 0.6106
CMYK	0.01, 0.00, 0.00, 0.61
HSL	180°, 1%, 39%
HSV	180°, 1%, 39%
XYZ	11.8257, 12.5000, 13.6686
YIQ	98.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

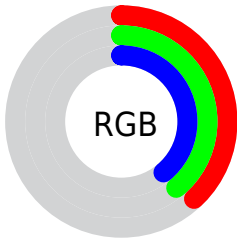
Format	Color
RYB	98, 99, 99
Decimal	6447971
CIELab	42.00, -0.39, -0.14
CIELCh	42, 0.413, 200.154
Yxy	12.5000, 0.3112, 0.3290
Android (android.graphics.Color)	4284638051 (0xFF626363)
YUV	98.7010, 0.1474, -0.6148
Hunter-Lab	35.3553, -2.1670, 1.8269

Details

The CIELCh color $42, 0.413, 200.154$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 0.418, 18.520$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 0.384, 200.532$, and $22, 0.459, 199.792$ is the 20% darker color. If you saturate the color by 10%, you get $41, 4.426, 198.766$, and if you desaturate by 10%, it is $43, 3.761, 19.651$.

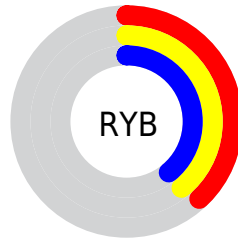
Distribution



 Red (38%)


 Green (39%)

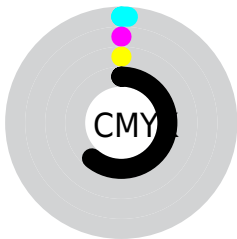
 Blue (39%)




 Red (38%)

 Yellow (39%)

 Blue (39%)



 Cyan (1%)

 Magenta (0%)

 Yellow (0%)

 Black (61%)



 Cyan (61%)













 Magenta (61%)

 Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 0.413, 200.154 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, 0.413, 200.154 by changing the saturation by 10% instead.

 42, 0.413, 200.154	 42, 0.413, 200.154
 100, 0.413, 200.154	 32, 0.413, 200.154
 62, 0.413, 200.154	 22, 0.413, 200.154
 72, 0.413, 200.154	 12, 0.413, 200.154
 82, 0.413, 200.154	 2, 0.413, 200.154
 92, 0.413, 200.154	 0, 0.413, 200.154

 42, 0.413, 200.154	 42, 0.413, 200.154
 41, 4.426, 198.766	 43, 3.761, 19.651
 40, 8.222, 198.254	 44, 8.053, 20.257

■ 40, 11.745,
197.804

■ 45, 12.422, 20.845

■ 39, 14.938,
197.405

■ 46, 16.836, 21.435

■ 47, 21.268, 22.027

■ 39, 17.746,
197.058

■ 48, 25.697, 22.617

■ 38, 20.120,
196.767

■ 50, 30.109, 23.203

■ 51, 34.491, 23.783

■ 38, 22.027,
196.531

■ 52, 38.834, 24.352

■ 38, 23.455,
196.351

■ 38, 24.416,
196.223

Harmonies

Complementary

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



42, 0.413, 200.154



42, 0.418, 18.520

Rectangle

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



42, 0.413, 200.154



42, 0.413, 250.154



42, 0.413, 20.154



42, 0.413, 70.154

Sweetspot

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



42, 0.414, 200.003



54, 0.007, 296.813



42, 0.729, 144.158



28, 0.004, 296.813



78, 0.009, 296.813

Same Dimension

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



42, 0.414, 200.003



54, 0.512, 199.985



42, 0.364, 254.331



20, 0.225, 200.122



42, 27.390, 196.121



86, 47.884, 196.105

Inverse Universe

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



42, 0.418, 18.520



54, 0.517, 18.538



42, 0.357, 72.839



20, 0.228, 18.402



22, 54.787, 37.038



50, 99.714, 39.946

Previews

White Background



This preview shows how the CIELCh color 42, 0.413, 200.154 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, 0.413, 200.154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

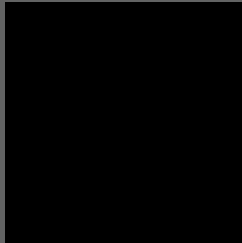
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

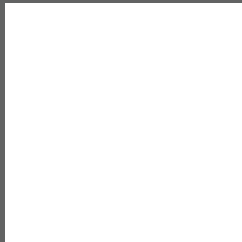
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 0.413, 200.154

Background



This preview shows how black text looks on a background with the CIELCh color 42, 0.413, 200.154.

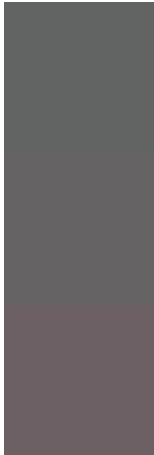


This preview shows how white text looks on a background with the CIELCh color 42, 0.413, 200.154.

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, 0.413, 200.154

Protanopia

42, 0.834, 19.115

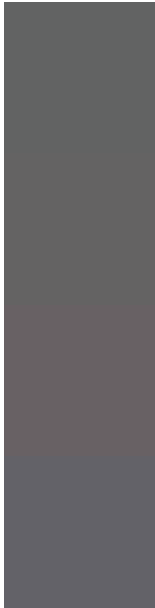
Deuteranopia

42, 5.598, 354.633



Tritanopia
42, 4.866, 295.659

Trichromacy



Original Color

42, 0.413, 200.154

Protanomaly

42, 0.416, 18.664

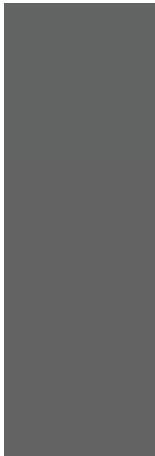
Deuteranomaly

42, 3.453, 348.165

Tritanomaly

42, 3.662, 297.104

Monochromacy



Original Color

42, 0.413, 200.154

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 0.006, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 0.413, 200.154 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(98, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(98, 99, 99)  
}
```

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(98, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 99, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 0.413, 200.154 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(98, 99, 99) }
```

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

```
.border{ border-color:rgb(98, 99, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 99, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(98, 99, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 0.413, 200.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 99, 99) }
```

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

```
.background{ background-color: rgb(98, 99,  
99) }
```

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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