

Converting Colors

CIELCh(42, 10.300, 115.958)

Have a look what the booklet for
CIELCh(42, 10.300, 115.958)
contains.

CIELCh(42, 10.282, 115.968)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 10.282, 115.968)

Conversions

Conversions Part 1

Format	Color
Hex	626554
RGB	98, 101, 84
RGB Percent	38%, 40%, 33%
CMY	0.6163, 0.6046, 0.6712
CMYK	0.03, 0.00, 0.17, 0.60
HSL	71°, 9%, 36%
HSV	71°, 17%, 40%
XYZ	11.2505, 12.5000, 10.1741
YIQ	98.1650, 3.6690, -5.9230

Conversions

Conversions Part 2

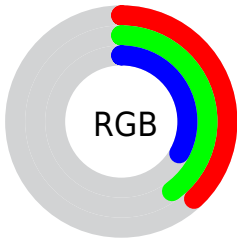
Format	Color
R _Y B	84, 101, 87
Decimal	6448468
CIE Lab	42.00, -4.50, 9.24
CIE LCh	42, 10.282, 115.968
Yxy	12.5000, 0.3316, 0.3685
Android (android.graphics.Color)	4284638548 (0xFF626554)
YUV	98.1650, -6.9833, -0.1447
Hunter-Lab	35.3553, -5.0710, 7.6870

Details

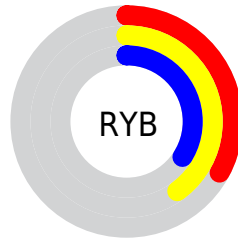
The CIELCh color $42, 10.282, 115.968$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $37, 10.640, 298.323$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 10.116, 115.875$, and $22, 10.075, 116.386$ is the 20% darker color. If you saturate the color by 10%, you get $42, 16.323, 115.298$, and if you desaturate by 10%, it is $42, 4.187, 116.641$.

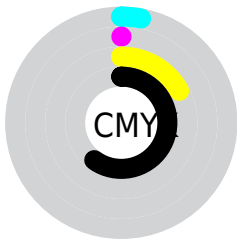
Distribution



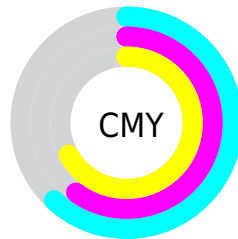
- Red (38%)
- Green (40%)
- Blue (33%)



- Red (33%)
- Yellow (40%)
- Blue (34%)



- Cyan (3%)
- Magenta (0%)
- Yellow (17%)
- Black (60%)





- Cyan (62%)
- Magenta (60%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 10.282, 115.968 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, 10.282, 115.968 by changing the saturation by 10% instead.


 42, 10.282,
115.968


 42, 10.282,
115.968


 100, 10.282,
115.968


 32, 10.282,
115.968

 62, 10.282,
115.968


 22, 10.282,
115.968

 72, 10.282,
115.968

 12, 10.282,
115.968


 82, 10.282,
115.968

 2, 10.282, 115.968

 92, 10.282,
115.968

 0, 10.282, 115.968

 42, 10.282,

 42, 10.282,

115.968

■ 42, 16.323,
115.298

■ 41, 22.259,
114.634

■ 41, 28.017,
114.004

■ 41, 33.490,
113.440

■ 40, 38.522,
112.986

■ 40, 42.905,
112.704

■ 40, 46.388,
112.665

■ 40, 49.089,
112.825

115.968

■ 42, 4.187, 116.641

■ 43, 1.930, 297.292

■ 43, 8.045, 297.921

■ 44, 14.139,
298.521

■ 44, 20.201,
299.090

■ 45, 26.219,
299.627

■ 46, 32.187,
300.130

■ 46, 38.098,
300.601

■ 47, 43.947,

■ 40, 49.972,
112.854

301.041

Harmonies

Complementary

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



42, 10.282, 115.968



37, 10.640, 298.323

Rectangle

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



42, 10.282, 115.968



42, 10.282, 165.968



42, 10.282, 295.968



42, 10.282, 345.968

Sweetspot

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



42, 10.283, 115.973



54, 3.763, 116.755



38, 6.483, 35.637



28, 2.588, 116.722



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 10.283, 115.973



53, 15.023, 115.722



41, 11.369, 133.986



21, 3.462, 116.503



45, 54.787, 112.996



90, 95.221, 113.575

Inverse Universe

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



37, 10.640, 298.323



45, 15.666, 298.635



37, 11.524, 315.325



19, 3.528, 297.707



12, 73.008, 307.350



32, 127.327, 306.971

Previews

White Background



This preview shows how the CIE LCh color 42, 10.282, 115.968 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, 10.282, 115.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

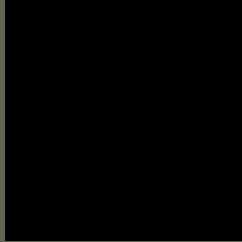
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

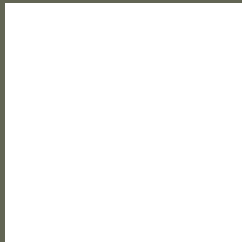
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 10.282, 115.968

Background



This preview shows how black text looks on a background with the CIELCh color 42, 10.282, 115.968.

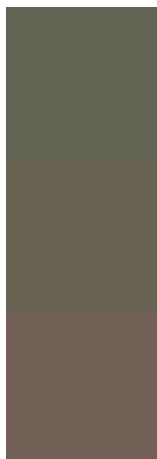


This preview shows how white text looks on a background with the CIELCh color 42, 10.282, 115.968.

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, 10.282, 115.968

Protanopia

42, 9.862, 95.760

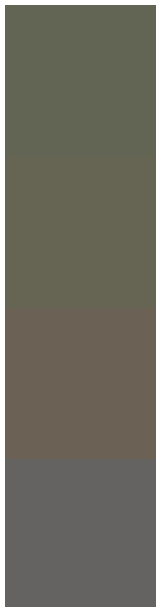
Deuteranopia

42, 10.458, 55.152



Tritanopia
42, 5.008, 304.946

Trichromacy



Original Color
42, 10.282, 115.968

Protanomaly
42, 10.233, 103.701

Deuteranomaly
42, 8.732, 75.195

Tritanomaly
42, 0.725, 74.889

Monochromacy



Original Color
42, 10.282, 115.968

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 3.642, 116.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 10.282, 115.968 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, 101, 84)` looks like.

```
.text, #text, p{  
    color:rgb(98, 101, 84)  
}
```

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, 101, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 101, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 10.282, 115.968 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, 101, 84) }
```

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

```
.border{ border-color:rgb(98, 101, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 101, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 101, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 101, 84);  
box-shadow:4px 4px 4px 4px rgb(98, 101,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 10.282, 115.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 101, 84) }
```

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

```
.background{ background-color: rgb(98, 101,  
84) }
```

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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