

Converting Colors

CIELCh(42, 5.419, 104.004)

Have a look what the booklet for
CIELCh(42, 5.419, 104.004) contains.

CIELCh(42, 5.478, 100.320)	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, 5.478, 100.320)

Conversions

Conversions Part 1

Format	Color
Hex	65635A
RGB	101, 99, 90
RGB Percent	40%, 39%, 35%
CMY	0.6029, 0.6107, 0.6460
CMYK	0.00, 0.02, 0.11, 0.60
HSL	49°, 6%, 38%
HSV	49°, 11%, 40%
XYZ	11.7415, 12.5000, 11.5263
YIQ	98.5720, 4.0810, -2.3750

Conversions

Conversions Part 2

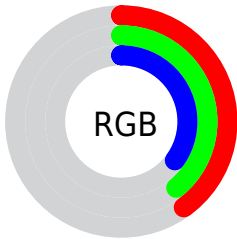
Format	Color
RYB	92, 101, 90
Decimal	6644570
CIELab	42.00, -0.98, 5.39
CIELCh	42, 5.478, 100.320
Yxy	12.5000, 0.3283, 0.3495
Android (android.graphics.Color)	4284834650 (0xFF65635A)
YUV	98.5720, -4.2260, 2.1294
Hunter-Lab	35.3553, -2.5920, 5.4194

Details

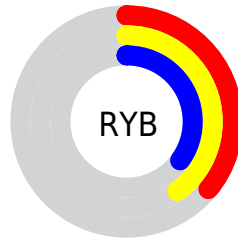
The CIELCh color **42, 5.478, 100.320** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 5.553, 282.703**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 5.636, 101.469**, and **22, 6.025, 104.156** is the 20% darker color. If you saturate the color by 10%, you get **41, 10.553, 99.263**, and if you desaturate by 10%, it is **43, 0.430, 101.185**.

Distribution



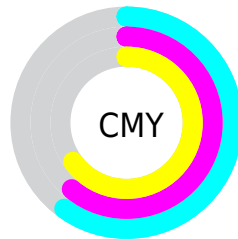
- Red (40%)
- Green (39%)
- Blue (35%)



- Red (36%)
- Yellow (40%)
- Blue (35%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (60%)















- Cyan (60%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 5.478, 100.320 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, 5.478, 100.320 by changing the saturation by 10% instead.

 42, 5.478, 100.320	 42, 5.478, 100.320
 100, 5.478, 100.320	 32, 5.478, 100.320
 62, 5.478, 100.320	 22, 5.478, 100.320
 72, 5.478, 100.320	 12, 5.478, 100.320
 82, 5.478, 100.320	 2, 5.478, 100.320
 92, 5.478, 100.320	 0, 5.478, 100.320

 42, 5.478, 100.320	 42, 5.478, 100.320
 41, 10.553, 99.263	 43, 0.430, 101.185
 40, 15.632, 98.165	 44, 4.582, 282.424

40, 20.680, 97.048

45, 9.551, 283.386

39, 25.635, 95.919

45, 14.473,
284.315

38, 30.396, 94.784

46, 19.349,
285.203

38, 34.802, 93.645

37, 38.609, 92.498

47, 24.179,
286.049

36, 41.504, 91.322

48, 28.961,
286.852

36, 43.980, 90.291

49, 33.698,
287.614

50, 38.391,
288.335

Harmonies

Complementary

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



42, 5.478, 100.320



39, 5.553, 282.703

Rectangle

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



42, 5.478, 100.320



42, 5.478, 150.320



42, 5.478, 280.320



42, 5.478, 330.320

Sweetspot

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



42, 5.479, 100.331



55, 1.878, 101.106



39, 4.862, 5.414



28, 1.413, 101.047



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, 5.479, 100.331



54, 8.187, 100.066



42, 6.783, 121.868



21, 2.845, 100.533



41, 47.986, 90.082



82, 82.782, 89.185

Inverse Universe

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



39, 5.553, 282.703



50, 8.318, 283.008



39, 6.917, 303.012



19, 2.879, 282.478



14, 63.809, 301.916



34, 116.316, 303.414

Previews

White Background



This preview shows how the CIELCh color 42, 5.478, 100.320 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, 5.478, 100.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

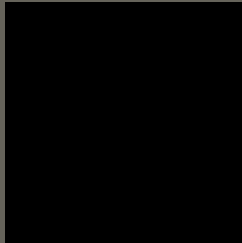
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 5.478, 100.320

Background



This preview shows how black text looks on a background with the CIELCh color 42, 5.478, 100.320.



This preview shows how white text looks on a background with the CIELCh color 42, 5.478, 100.320.

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, 5.478, 100.320

Protanopia

42, 5.675, 91.643

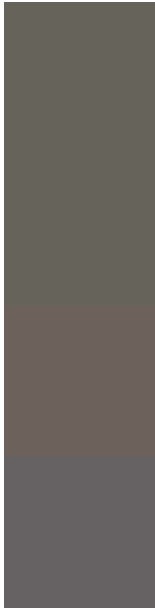
Deuteranopia

42, 7.613, 43.339



Tritanopia
42, 5.455, 317.576

Trichromacy



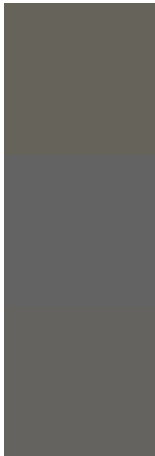
Original Color
42, 5.478, 100.320

Protanomaly
42, 5.560, 95.911

Deuteranomaly
42, 5.988, 56.812

Tritanomaly
42, 2.069, 343.830

Monochromacy



Original Color
42, 5.478, 100.320

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 1.848, 96.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 5.478, 100.320 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(101, 99, 90)` looks like.

```
.text, #text, p{  
    color:rgb(101, 99, 90)  
}
```

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(101, 99, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 99, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 5.478, 100.320 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(101, 99, 90) }
```

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

```
.border{ border-color:rgb(101, 99, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 99, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 99, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 99, 90);  
box-shadow:4px 4px 4px 4px rgb(101, 99,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 5.478, 100.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 99, 90) }
```

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

```
.background{ background-color: rgb(101, 99,  
90) }
```

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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