Converting Colors

CIELCh(42, 9.354, 148.777)

Have a look what the booklet for CIELCh(42, 9.354, 148.777) contains.

Color

CIELCh(42, 9.624, 149.631)

Conversions

Format	Color
Hex	58675B
RGB	88, 103, 91
RGB Percent	35%, 40%, 36%
CMY	0.6553, 0.5965, 0.6436
CMYK	0.15, 0.00, 0.12, 0.60
HSL	132°, 8%, 37%
HSV	132°, 15%, 40%
XYZ	10.7359, 12.5000, 11.7188
YIQ	97.1470, -5.0880, -6.9120

Conversions Part 1

Conversions

Conversions Part 2

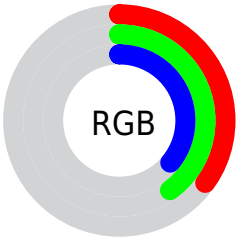
Format	Color
RYB	88, 101, 103
Decimal	5793627
CIELab	42.00, -8.30, 4.87
CIELCh	42, 9.624, 149.631
Yxy	12.5000, 0.3071, 0.3576
Android (android.graphics.Color)	4283983707 (0xFF58675B)
YUV	97.1470, -3.0305, -8.0219
Hunter-Lab	35.3553, -7.6689, 5.0966

Details

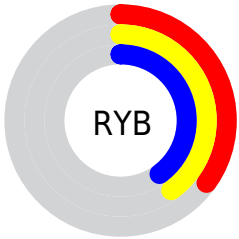
The CIELCh color 42, 9.624, 149.631 is a dark color, and the websafe version is hex 666666. A complement of this color would be 39, 9.658, 331.365, and the grayscale version is 41, 0.006, 296.813.

A 20% lighter version of the original color is 62, 9.618, 149.463, and 22, 9.872, 149.513 is the 20% darker color. If you saturate the color by 10%, you get 41, 16.266, 148.876, and if you desaturate by 10%, it is 43, 3.003, 150.323.

Distribution

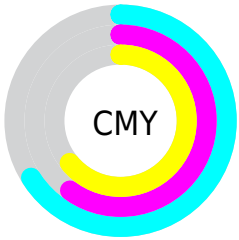


- Red (35%)
- Green (40%)
- Blue (36%)



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

- Cyan (15%)
- Magenta (0%)
- Yellow (12%)
- Black (60%)



- Cyan (66%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 9.624, 149.631 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, 9.624, 149.631 by changing the saturation by 10% instead.

42, 9.624, 149.631

100, 9.624, 149.631

62, 9.624, 149.631

72, 9.624, 149.631

82, 9.624, 149.631

92, 9.624, 149.631

42, 9.624, 149.631

32, 9.624, 149.631

22, 9.624, 149.631

12, 9.624, 149.631

2, 9.624, 149.631

0, 9.624, 149.631

42, 9.624, 149.631

41, 16.266, 148.876

40, 22.844,

42, 9.624, 149.631

43, 3.003, 150.323

44, 3.538, 330.773

148.013

39, 29.260, 147.025

39, 35.399, 145.897

38, 41.133, 144.626

38, 46.331, 143.219

38, 50.867, 141.709

37, 54.667, 140.199

37, 56.505, 139.549

45, 9.955, 331.304

47, 16.214, 331.748

48, 22.298, 332.139

50, 28.197, 332.485

51, 33.905, 332.795

53, 39.426, 333.074

54, 44.765, 333.327

Harmonies

Complementary

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

42, 9.624, 149.631

39, 9.658, 331.365

Rectangle

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

42, 9.624, 149.631

42, 9.624, 199.631

42, 9.624, 329.631

42, 9.624, 19.631

Sweetspot

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

42, 9.625, 149.630

55, 3.230, 150.359

43, 9.070, 117.066

28, 2.278, 150.315

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, 9.625, 149.630

53, 13.840, 149.422

42, 6.714, 174.726

21, 3.669, 150.022

42, 61.386, 139.314

84, 109.084, 138.284

Inverse Universe

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

39, 9.658, 331.365

49, 13.890, 331.544

39, 6.982, 357.257

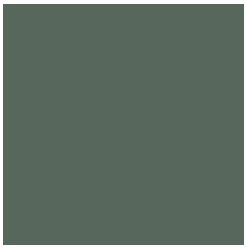
20, 3.681, 331.015

25, 55.228, 337.659

55, 94.950, 338.366

Previews

White Background

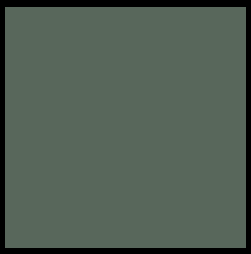


This preview shows how the CIELCh color 42, 9.624, 149.631 looks on a white background.

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



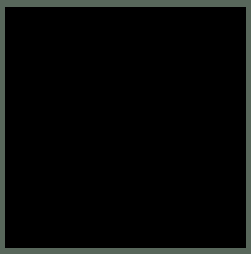
This preview shows how the CIELCh color 42, 9.624, 149.631 looks on a black background.

Color Contrast Check

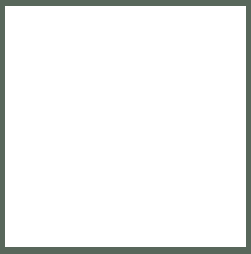
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 42, 9.624, 149.631 Background



This preview shows how black text looks on a background with the CIELCh color 42, 9.624, 149.631.



This preview shows how white text looks on a background with the CIELCh color 42, 9.624, 149.631.

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

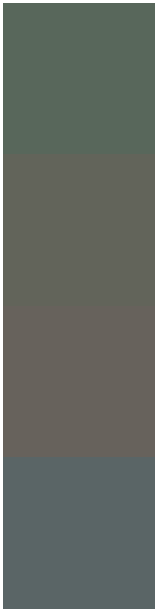
Original Color
42, 9.624, 149.631

Protanopia
42, 6.253, 93.179

Deuteranopia
42, 7.181, 34.738

Tritanopia
42, 5.919, 254.177

Trichromacy



Original Color
42, 9.624, 149.631

Protanomaly
42, 6.081, 117.364

Deuteranomaly
42, 4.193, 78.871

Tritanomaly
42, 4.450, 206.768

Monochromacy

Original Color
42, 9.624, 149.631

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 3.211, 150.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 9.624, 149.631 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(88, 103, 91) looks like.

```
.text, #text, p{
    color:rgb(88, 103, 91)
}
```

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(88, 103, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 103, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 9.624, 149.631 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(88, 103, 91) }
```

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

```
.border{ border-color:rgb(88, 103, 91) }
```

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

Here you see how a box with a 4 pixel rgb(88, 103, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(88, 103, 91); -webkit-box-shadow:4px 4px 4px 4px rgb(88, 103, 91); box-shadow:4px 4px 4px 4px rgb(88, 103, 91) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 9.624, 149.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(88, 103, 91) }
```

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

```
.background{ background-color:rgb(88, 103,
91) }
```

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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