

Converting Colors

CIELCh(42, 13.334, 132.577)

Have a look what the booklet for
CIELCh(42, 13.334, 132.577)
contains.

CIELCh(42, 13.271, 133.333)	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, 13.271, 133.333)

Conversions

Conversions Part 1

Format	Color
Hex	5A6753
RGB	90, 103, 83
RGB Percent	35%, 40%, 33%
CMY	0.6470, 0.5960, 0.6745
CMYK	0.13, 0.00, 0.19, 0.60
HSL	99°, 11%, 36%
HSV	99°, 19%, 40%
XYZ	10.6292, 12.5000, 10.0372
YIQ	96.8330, -1.3280, -8.9760

Conversions

Conversions Part 2

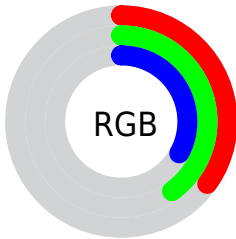
Format	Color
R _Y B	83, 103, 96
Decimal	5924691
CIE Lab	42.00, -9.11, 9.65
CIE LCh	42, 13.271, 133.333
Yxy	12.5000, 0.3205, 0.3769
Android (android.graphics.Color)	4284114771 (0xFF5A6753)
YUV	96.8330, -6.8197, -5.9925
Hunter-Lab	35.3553, -8.2077, 7.9167

Details

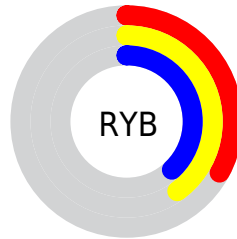
The CIELCh color **42, 13.271, 133.333** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 13.493, 314.897**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 13.516, 133.093**, and **22, 13.301, 133.403** is the 20% darker color. If you saturate the color by 10%, you get **41, 20.107, 132.866**, and if you desaturate by 10%, it is **43, 6.419, 133.776**.

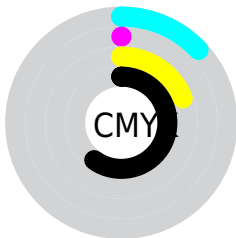
Distribution



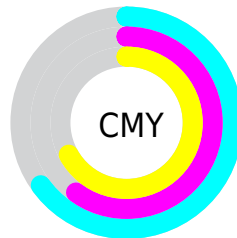
- Red (35%)
- Green (40%)
- Blue (33%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (19%)
- Black (60%)





- Cyan (65%)
- Magenta (60%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 13.271, 133.333 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, 13.271, 133.333 by changing the saturation by 10% instead.


 42, 13.271,
133.333


 42, 13.271,
133.333


 100, 13.271,
133.333


 32, 13.271,
133.333

 62, 13.271,
133.333


 22, 13.271,
133.333

 72, 13.271,
133.333

 12, 13.271,
133.333


 82, 13.271,
133.333

 2, 13.271, 133.333

 92, 13.271,
133.333

 0, 13.271, 133.333

 42, 13.271,

 42, 13.271,

133.333

133.333

■ 41, 20.107,
132.866

■ 43, 6.419, 133.776

■ 41, 26.854,
132.377

■ 44, 0.401, 313.899

■ 45, 7.152, 314.493

■ 40, 33.416,
131.892

■ 46, 13.807,
314.813

■ 39, 39.660,
131.450

■ 47, 20.348,
315.093

■ 39, 45.406,
131.116

■ 48, 26.763,
315.337

■ 39, 50.419,
130.981

■ 49, 33.044,
315.550

■ 38, 54.440,
131.151

■ 50, 39.188,
315.736

■ 38, 57.840,
131.357

■ 51, 45.195,

■ 38, 58.043,
131.355

315.897

Harmonies

Complementary

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



42, 13.271, 133.333



37, 13.493, 314.897

Rectangle

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



42, 13.271, 133.333



42, 13.271, 183.333



42, 13.271, 313.333



42, 13.271, 3.333

Sweetspot

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



42, 13.272, 133.335



56, 5.103, 133.916



41, 8.444, 87.442



29, 3.412, 133.897



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, 13.272, 133.335



54, 19.656, 133.138



42, 13.328, 147.627



21, 3.795, 133.797



42, 62.788, 131.539



85, 109.968, 132.386

Inverse Universe

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



37, 13.493, 314.897



47, 20.053, 315.075



38, 13.362, 329.929



19, 3.828, 314.461



19, 66.870, 316.267



44, 116.436, 315.660

Previews

White Background



This preview shows how the CIELCh color 42, 13.271, 133.333 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, 13.271, 133.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

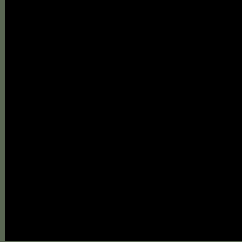
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

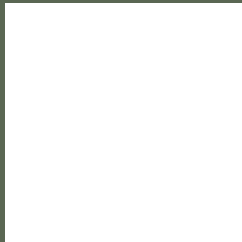
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 13.271, 133.333

Background



This preview shows how black text looks on a background with the CIELCh color 42, 13.271, 133.333.

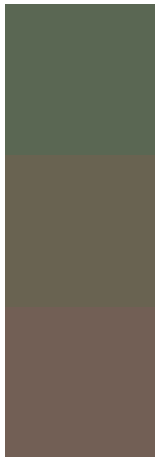


This preview shows how white text looks on a background with the CIELCh color 42, 13.271, 133.333.

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, 13.271, 133.333

Protanopia

42, 11.136, 94.640

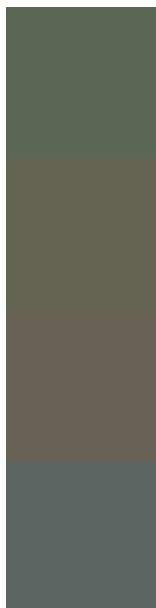
Deuteranopia

42, 10.458, 55.152



Tritanopia
42, 5.336, 264.446

Trichromacy



Original Color
42, 13.271, 133.333

Protanomaly
42, 10.798, 108.552

Deuteranomaly
42, 8.978, 88.739

Tritanomaly
42, 3.511, 178.929

Monochromacy



Original Color
42, 13.271, 133.333

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 4.743, 135.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 13.271, 133.333 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(90, 103, 83)` looks like.

```
.text, #text, p{  
    color:rgb(90, 103, 83)  
}
```

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(90, 103, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 103, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 13.271, 133.333 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(90, 103, 83) }
```

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

```
.border{ border-color:rgb(90, 103, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 103, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 103, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 103, 83);  
box-shadow:4px 4px 4px 4px rgb(90, 103,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 13.271, 133.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 103, 83) }
```

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

```
.background{ background-color: rgb(90, 103,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor