

Converting Colors

CIELCh(42, 22.744, 132.211)

Have a look what the booklet for
CIELCh(42, 22.744, 132.211)
contains.

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Color

CIELCh(42, 22.451, 132.623)

Conversions

Conversions Part 1

Format	Color
Hex	536947
RGB	83, 105, 71
RGB Percent	33%, 41%, 28%
CMY	0.6730, 0.5867, 0.7201
CMYK	0.21, 0.00, 0.32, 0.59
HSL	99°, 19%, 35%
HSV	99°, 32%, 41%
XYZ	9.8425, 12.5000, 7.9180
YIQ	94.5460, -2.1980, -15.2380

Conversions

Conversions Part 2

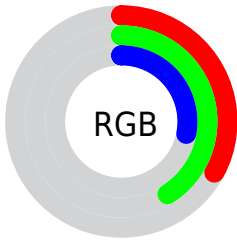
Format	Color
R_{YB}	71, 105, 93
Decimal	5466439
CIE _{Lab}	42.00, -15.20, 16.52
CIE _{LCh}	42, 22.451, 132.623
Yxy	12.5000, 0.3253, 0.4131
Android (android.graphics.Color)	4283656519 (0xFF536947)
YUV	94.5460, -11.6082, -10.1258
Hunter-Lab	35.3553, -12.1796, 11.4704

Details

The CIELCh color $42, 22.451, 132.623$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $34, 23.085, 315.342$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 22.106, 132.760$, and $22, 22.620, 132.747$ is the 20% darker color. If you saturate the color by 10%, you get $41, 29.277, 132.134$, and if you desaturate by 10%, it is $43, 15.511, 133.101$.

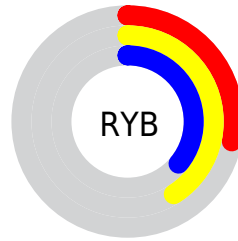
Distribution



 Red (33%)

 Green (41%)

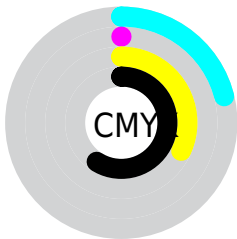
 Blue (28%)



 Red (28%)

 Yellow (41%)

 Blue (36%)

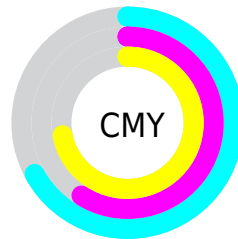


 Cyan (21%)


 Magenta (0%)

 Yellow (32%)

 Black (59%)



 Cyan (67%)


 Magenta (59%)


 Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 22.451, 132.623 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, 22.451, 132.623 by changing the saturation by 10% instead.


 42, 22.451,
132.623


 42, 22.451,
132.623


 100, 22.451,
132.623

 32, 22.451,
132.623

 62, 22.451,
132.623


 22, 22.451,
132.623

 72, 22.451,
132.623

 12, 22.451,
132.623

 82, 22.451,
132.623

 2, 22.451, 132.623

 92, 22.451,
132.623

 0, 22.451, 132.623

 42, 22.451,

 42, 22.451,

132.623

■ 41, 29.277,
132.134

■ 41, 35.877,
131.658

■ 40, 42.103,
131.243

■ 40, 47.754,
130.962

■ 39, 52.576,
130.913

■ 39, 56.331,
131.192

■ 39, 58.969,
131.324

132.623

■ 43, 15.511,
133.101

■ 44, 8.533, 133.550

■ 44, 1.575, 134.010

■ 45, 5.323, 314.290

■ 46, 12.130,
314.627

■ 47, 18.825,
314.919

■ 48, 25.396,
315.173

■ 49, 31.832,
315.396

■ 51, 38.130,

Harmonies

Complementary

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



42, 22.451, 132.623



34, 23.085, 315.342

Rectangle

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



42, 22.451, 132.623



42, 22.451, 182.623



42, 22.451, 312.623



42, 22.451, 2.623

Sweetspot

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



42, 22.452, 132.624



56, 8.647, 133.637



40, 14.312, 84.407



28, 5.857, 133.593



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, 22.452, 132.624



54, 33.676, 132.241



41, 22.851, 146.071



22, 3.951, 133.693



43, 63.755, 131.503



86, 110.766, 132.328

Inverse Universe

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



34, 23.085, 315.342



41, 34.865, 315.666



35, 22.891, 330.128



20, 3.986, 314.364



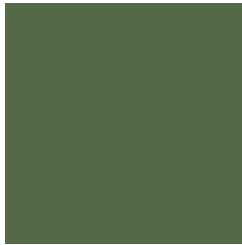
19, 67.978, 316.154



44, 117.441, 315.562

Previews

White Background



This preview shows how the CIELCh color 42, 22.451, 132.623 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, 22.451, 132.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

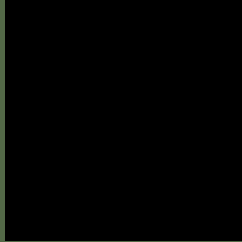
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 22.451, 132.623

Background



This preview shows how black text looks on a background with the CIELCh color 42, 22.451, 132.623.



This preview shows how white text looks on a background with the CIELCh color 42, 22.451, 132.623.

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

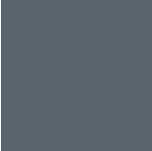
42, 22.451, 132.623

Protanopia

42, 18.319, 95.799

Deuteranopia

42, 16.382, 69.859



Tritanopia
42, 6.629, 246.024

Trichromacy



Original Color
42, 22.451, 132.623

Protanomaly
42, 18.514, 111.625

Deuteranomaly
42, 15.812, 97.838

Tritanomaly
42, 8.214, 162.431

Monochromacy



Original Color
42, 22.451, 132.623

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 8.593, 132.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 22.451, 132.623 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(83, 105, 71)` looks like.

```
.text, #text, p{  
    color:rgb(83, 105, 71)  
}
```

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(83, 105, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 105, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 22.451, 132.623 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(83, 105, 71) }
```

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

```
.border{ border-color:rgb(83, 105, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 105, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 105, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 105, 71);  
box-shadow:4px 4px 4px 4px rgb(83, 105,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 22.451, 132.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 105, 71) }
```

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

```
.background{ background-color: rgb(83, 105,  
71) }
```

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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