

Converting Colors

CIELCh(42, 19.661, 144.322)

Have a look what the booklet for
CIELCh(42, 19.661, 144.322)
contains.

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Color

CIELCh(42, 19.643, 144.724)

Conversions

Conversions Part 1

Format	Color
Hex	4E6A50
RGB	78, 106, 80
RGB Percent	31%, 42%, 31%
CMY	0.6942, 0.5844, 0.6864
CMYK	0.26, 0.00, 0.25, 0.58
HSL	124°, 15%, 36%
HSV	124°, 26%, 42%
XYZ	9.7381, 12.5000, 9.4840
YIQ	94.6640, -8.3420, -14.0220

Conversions

Conversions Part 2

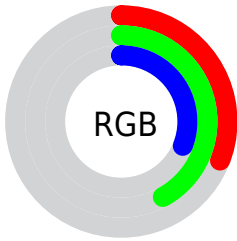
Format	Color
R_{YB}	78, 104, 106
Decimal	5139024
CIE _{Lab}	42.00, -16.04, 11.34
CIE _{LCh}	42, 19.643, 144.724
Yxy	12.5000, 0.3070, 0.3940
Android (android.graphics.Color)	4283329104 (0xFF4E6A50)
YUV	94.6640, -7.2294, -14.6143
Hunter-Lab	35.3553, -12.7066, 8.8443

Details

The CIELCh color **42, 19.643, 144.724** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 19.663, 327.834**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 19.425, 144.229**, and **22, 20.223, 144.511** is the 20% darker color. If you saturate the color by 10%, you get **41, 27.007, 143.882**, and if you desaturate by 10%, it is **43, 12.186, 145.457**.

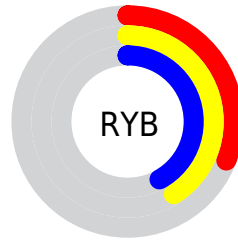
Distribution



Red (31%)

Green (42%)

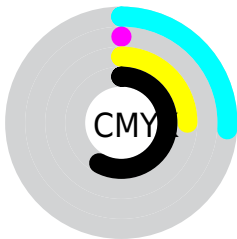
Blue (31%)



Red (31%)

Yellow (41%)

Blue (42%)

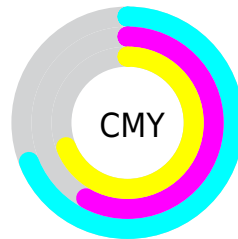


Cyan (26%)

Magenta (0%)

Yellow (25%)

Black (58%)



Cyan (69%)


Magenta (58%)

Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 19.643, 144.724 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, 19.643, 144.724 by changing the saturation by 10% instead.

 42, 19.643,
144.724


 42, 19.643,
144.724


 100, 19.643,
144.724


 32, 19.643,
144.724

 62, 19.643,
144.724


 22, 19.643,
144.724

 72, 19.643,
144.724

 12, 19.643,
144.724


 82, 19.643,
144.724

 2, 19.643, 144.724

 92, 19.643,
144.724

 0, 19.643, 144.724

 42, 19.643,

 42, 19.643,

144.724

144.724

■ 41, 27.007,
143.882

■ 43, 12.186,
145.457

■ 40, 34.145,
142.920

■ 44, 4.737, 146.105

■ 40, 40.897,
141.843

■ 45, 2.626, 326.541

■ 47, 9.846, 327.052

■ 39, 47.077,
140.670

■ 48, 16.887,
327.458

■ 39, 52.479,
139.452

■ 49, 23.725,
327.805

■ 39, 56.884,
138.270

■ 51, 30.350,
328.106

■ 38, 60.166,
137.321

■ 52, 36.758,
328.367

■ 38, 61.144,
137.112

■ 54, 42.951,

Harmonies

Complementary

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



42, 19.643, 144.724



37, 19.663, 327.834

Rectangle

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



42, 19.643, 144.724



42, 19.643, 194.724



42, 19.643, 324.724



42, 19.643, 14.724

Sweetspot

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



42, 19.644, 144.724



56, 7.326, 145.992



44, 16.594, 110.651



28, 5.172, 145.917



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, 19.644, 144.724



53, 29.463, 144.193



42, 13.545, 165.082



22, 4.189, 145.944



42, 65.903, 136.995



85, 114.882, 136.461

Inverse Universe

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



37, 19.663, 327.834



46, 29.472, 328.182



36, 14.131, 349.806



21, 4.197, 326.876



26, 61.700, 331.168



57, 105.836, 331.355

Previews

White Background



This preview shows how the CIELCh color 42, 19.643, 144.724 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, 19.643, 144.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

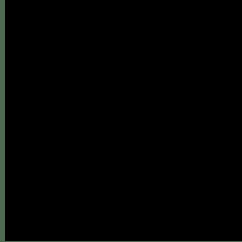
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 19.643, 144.724

Background



This preview shows how black text looks on a background with the CIELCh color 42, 19.643, 144.724.



This preview shows how white text looks on a background with the CIELCh color 42, 19.643, 144.724.

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

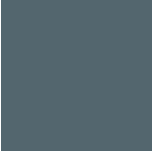
42, 19.643, 144.724

Protanopia

42, 13.473, 96.582

Deuteranopia

42, 11.681, 61.900



Tritanopia
42, 8.580, 233.179

Trichromacy



Original Color
42, 19.643, 144.724

Protanomaly
42, 14.685, 120.197

Deuteranomaly
42, 10.847, 103.851

Tritanomaly
42, 9.132, 182.890

Monochromacy



Original Color
42, 19.643, 144.724

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 6.923, 146.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 19.643, 144.724 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(78, 106, 80)` looks like.

```
.text, #text, p{  
    color:rgb(78, 106, 80)  
}
```

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(78, 106, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 106, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 19.643, 144.724 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(78, 106, 80) }
```

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

```
.border{ border-color:rgb(78, 106, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 106, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 106, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 106, 80);  
box-shadow:4px 4px 4px 4px rgb(78, 106,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 19.643, 144.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 106, 80) }
```

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

```
.background{ background-color: rgb(78, 106,  
80) }
```

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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