

Converting Colors

CIELCh(42, 17.214, 141.319)

Have a look what the booklet for
CIELCh(42, 17.214, 141.319)
contains.

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Color

CIELCh(42, 17.234, 140.942)

Conversions

Conversions Part 1

Format	Color
Hex	536951
RGB	83, 105, 81
RGB Percent	33%, 41%, 32%
CMY	0.6750, 0.5888, 0.6829
CMYK	0.21, 0.00, 0.23, 0.59
HSL	115°, 13%, 36%
HSV	115°, 23%, 41%
XYZ	10.0733, 12.5000, 9.6405
YIQ	95.6860, -5.4080, -12.1280

Conversions

Conversions Part 2

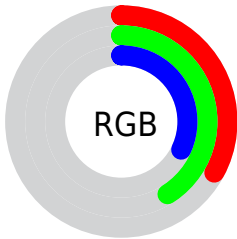
Format	Color
R_{YB}	81, 105, 103
Decimal	5466449
CIE _{Lab}	42.00, -13.38, 10.86
CIE _{LCh}	42, 17.234, 140.942
Yxy	12.5000, 0.3127, 0.3880
Android (android.graphics.Color)	4283656529 (0xFF536951)
YUV	95.6860, -7.2402, -11.1256
Hunter-Lab	35.3553, -11.0146, 8.5819

Details

The CIELCh color $42, 17.234, 140.942$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 17.306, 323.238$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 17.183, 140.419$, and $22, 17.657, 141.053$ is the 20% darker color. If you saturate the color by 10%, you get $41, 24.751, 140.260$, and if you desaturate by 10%, it is $43, 9.671, 141.546$.

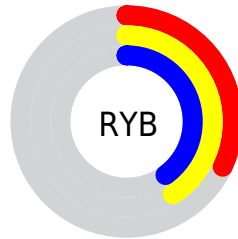
Distribution



Red (33%)

Green (41%)

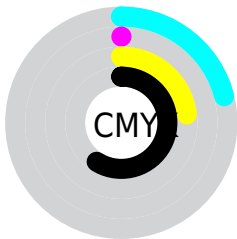
Blue (32%)



Red (32%)

Yellow (41%)

Blue (40%)

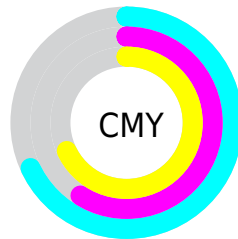


Cyan (21%)

Magenta (0%)

Yellow (23%)

Black (59%)



Cyan (68%)


Magenta (59%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 17.234, 140.942 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, 17.234, 140.942 by changing the saturation by 10% instead.


 42, 17.234,
140.942


 42, 17.234,
140.942


 100, 17.234,
140.942


 32, 17.234,
140.942

 62, 17.234,
140.942


 22, 17.234,
140.942

 72, 17.234,
140.942


 12, 17.234,
140.942


 82, 17.234,
140.942

 2, 17.234, 140.942

 92, 17.234,
140.942

 0, 17.234, 140.942

 42, 17.234,

 42, 17.234,

140.942

■ 41, 24.751,
140.260

■ 40, 32.099,
139.497

■ 40, 39.129,
138.668

■ 39, 45.645,
137.810

■ 39, 51.407,
136.989

■ 38, 56.137,
136.302

■ 38, 59.607,
135.838

■ 38, 61.755,
135.344

140.942

■ 43, 9.671, 141.546

■ 44, 2.146, 142.116

■ 45, 5.275, 322.463

■ 46, 12.548,
322.861

■ 48, 19.643,
323.192

■ 49, 26.545,
323.473

■ 51, 33.243,
323.713

■ 52, 39.737,
323.918

■ 54, 46.030,

Harmonies

Complementary

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



42, 17.234, 140.942



37, 17.306, 323.238

Rectangle

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



42, 17.234, 140.942



42, 17.234, 190.942



42, 17.234, 320.942



42, 17.234, 10.942

Sweetspot

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



42, 17.235, 140.943



55, 6.449, 141.861



43, 13.139, 104.360



29, 4.224, 141.842



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, 17.235, 140.943



53, 25.053, 140.622



42, 13.063, 157.638



22, 4.282, 141.763



43, 66.943, 135.424



85, 115.682, 135.734

Inverse Universe

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



37, 17.306, 323.238



46, 25.167, 323.462



37, 13.294, 341.145



21, 4.295, 322.578



25, 65.435, 325.115



55, 112.645, 324.935

Previews

White Background



This preview shows how the CIELCh color 42, 17.234, 140.942 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, 17.234, 140.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

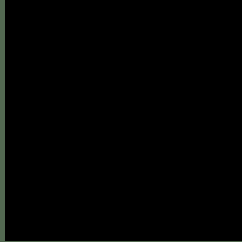
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 17.234, 140.942

Background



This preview shows how black text looks on a background with the CIELCh color 42, 17.234, 140.942.



This preview shows how white text looks on a background with the CIELCh color 42, 17.234, 140.942.

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

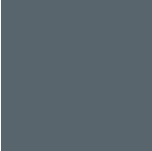
42, 17.234, 140.942

Protanopia

42, 12.888, 96.176

Deuteranopia

42, 11.256, 59.822



Tritanopia
42, 6.890, 243.726

Trichromacy



Original Color
42, 17.234, 140.942

Protanomaly
42, 13.294, 115.855

Deuteranomaly
42, 10.363, 98.780

Tritanomaly
42, 6.736, 182.948

Monochromacy



Original Color
42, 17.234, 140.942

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 6.437, 140.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 17.234, 140.942 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(83, 105, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 105, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 17.234, 140.942 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, 81) }
```

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

```
.border{ border-color:rgb(83, 105, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 105, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 105, 81);  
box-shadow:4px 4px 4px 4px rgb(83, 105,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 17.234, 140.942 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, 81) }
```

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

```
.background{ background-color: rgb(83, 105,  
81) }
```

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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