

Converting Colors

CIELCh(42, 17.811, 108.408)

Have a look what the booklet for
CIELCh(42, 17.811, 108.408)
contains.

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Color

CIELCh(42, 17.879, 108.948)

Conversions

Conversions Part 1

Format	Color
Hex	646547
RGB	100, 101, 71
RGB Percent	39%, 40%, 28%
CMY	0.6074, 0.6035, 0.7212
CMYK	0.01, 0.00, 0.30, 0.60
HSL	62°, 17%, 34%
HSV	62°, 30%, 40%
XYZ	11.0723, 12.5000, 7.8075
YIQ	97.2810, 9.0340, -9.5420

Conversions

Conversions Part 2

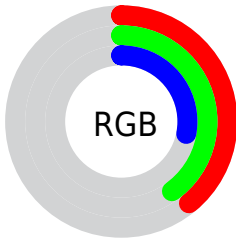
Format	Color
R_{YB}	71, 101, 72
Decimal	6579527
CIE Lab	42.00, -5.81, 16.91
CIE LCh	42, 17.879, 108.948
Yxy	12.5000, 0.3528, 0.3983
Android (android.graphics.Color)	4284769607 (0xFF646547)
YUV	97.2810, -12.9565, 2.3846
Hunter-Lab	35.3553, -5.9709, 11.6557

Details

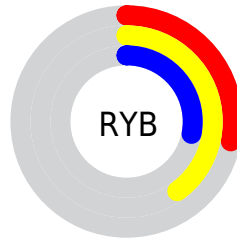
The CIELCh color $42, 17.879, 108.948$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 19.112, 294.643$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 17.789, 109.524$, and $22, 17.634, 107.826$ is the 20% darker color. If you saturate the color by 10%, you get $42, 23.722, 108.110$, and if you desaturate by 10%, it is $42, 11.912, 109.809$.

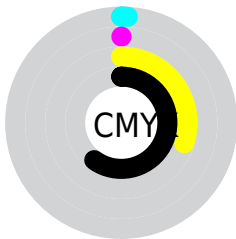
Distribution



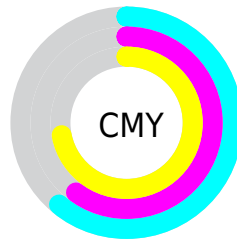
- Red (39%)
- Green (40%)
- Blue (28%)



- Red (28%)
- Yellow (40%)
- Blue (28%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (60%)




- Cyan (61%)
- Magenta (60%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 17.879, 108.948 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, 17.879, 108.948 by changing the saturation by 10% instead.


 42, 17.879,
108.948


 42, 17.879,
108.948


 100, 17.879,
108.948


 32, 17.879,
108.948

 62, 17.879,
108.948


 22, 17.879,
108.948

 72, 17.879,
108.948

 12, 17.879,
108.948


 82, 17.879,
108.948

 2, 17.879, 108.948

 92, 17.879,
108.948

 0, 17.879, 108.948

 42, 17.879,

 42, 17.879,

108.948

■ 42, 23.722,
108.110

■ 42, 29.354,
107.304

■ 41, 34.654,
106.561

■ 41, 39.444,
105.913

■ 41, 43.495,
105.401

■ 41, 46.551,
105.064

■ 41, 49.103,
104.812

■ 41, 49.189,
104.803

108.948

■ 42, 11.912,
109.809

■ 43, 5.872, 110.666

■ 43, 0.202, 291.675

■ 43, 6.285, 292.353

■ 44, 12.362,
293.152

■ 44, 18.417,
293.921

■ 44, 24.443,
294.657

■ 45, 30.432,
295.356

■ 45, 36.377,

Harmonies

Complementary

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



42, 17.879, 108.948



31, 19.112, 294.643

Rectangle

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



42, 17.879, 108.948



42, 17.879, 158.948



42, 17.879, 288.948



42, 17.879, 338.948

Sweetspot

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



42, 17.880, 108.952



55, 6.824, 110.701



34, 13.409, 24.165



28, 4.703, 110.610



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, 17.880, 108.952



54, 26.956, 108.326



41, 19.341, 128.957



21, 3.431, 110.729



46, 53.800, 104.832



92, 93.309, 104.952

Inverse Universe

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



31, 19.112, 294.643



38, 29.396, 295.668



33, 20.042, 311.515



19, 3.500, 292.301



11, 74.013, 306.460



31, 128.569, 306.357

Previews

White Background



This preview shows how the CIELCh color 42, 17.879, 108.948 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, 17.879, 108.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

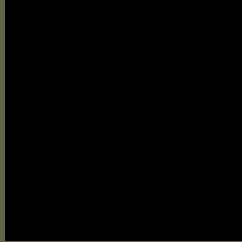
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 17.879, 108.948

Background



This preview shows how black text looks on a background with the CIELCh color 42, 17.879, 108.948.



This preview shows how white text looks on a background with the CIELCh color 42, 17.879, 108.948.

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, 17.879, 108.948

Protanopia

42, 17.741, 95.536

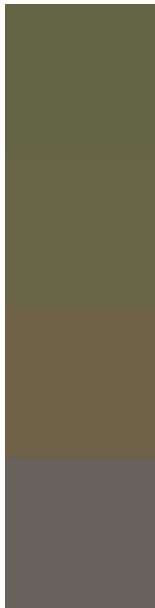
Deuteranopia

42, 17.375, 71.992



Tritanopia
42, 5.146, 324.756

Trichromacy



Original Color
42, 17.879, 108.948

Protanomaly
42, 17.993, 101.613

Deuteranomaly
42, 16.409, 84.677

Tritanomaly
42, 4.193, 78.871

Monochromacy



Original Color
42, 17.879, 108.948

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 6.030, 109.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 17.879, 108.948 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(100, 101, 71)` looks like.

```
.text, #text, p{  
    color:rgb(100, 101, 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(100, 101, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 101, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 17.879, 108.948 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(100, 101, 71) }
```

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

```
.border{ border-color:rgb(100, 101, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 101, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 101, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 101, 71);  
box-shadow:4px 4px 4px 4px rgb(100, 101,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 17.879, 108.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 101, 71) }
```

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

```
.background{ background-color: rgb(100,  
101, 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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