

Converting Colors

CIELCh(42, 29.090, 331.508)

Have a look what the booklet for
CIELCh(42, 29.090, 331.508)
contains.

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Color

CIELCh(42, 28.935, 331.773)

Conversions

Conversions Part 1

Format	Color
Hex	82547A
RGB	130, 84, 122
RGB Percent	51%, 33%, 48%
CMY	0.4901, 0.6705, 0.5214
CMYK	0.00, 0.35, 0.06, 0.49
HSL	310°, 21%, 42%
HSV	310°, 35%, 51%
XYZ	15.8988, 12.5000, 19.9978
YIQ	102.0860, 15.2180, 21.5700

Conversions

Conversions Part 2

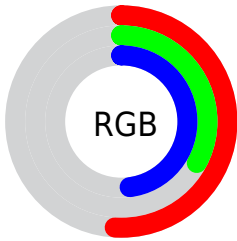
Format	Color
R_{YB}	130, 84, 122
Decimal	8541306
CIE _{Lab}	42.00, 25.49, -13.69
CIE _{LCh}	42, 28.935, 331.773
Yxy	12.5000, 0.3285, 0.2583
Android (android.graphics.Color)	4286731386 (0xFF82547A)
YUV	102.0860, 9.8176, 24.4806
Hunter-Lab	35.3553, 18.3973, -8.7871

Details

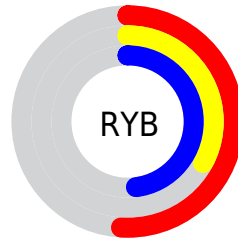
The CIELCh color $42, 28.935, 331.773$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $50, 28.855, 146.997$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 29.065, 332.245$, and $22, 29.099, 332.338$ is the 20% darker color. If you saturate the color by 10%, you get $39, 36.727, 332.415$, and if you desaturate by 10%, it is $45, 20.818, 331.143$.

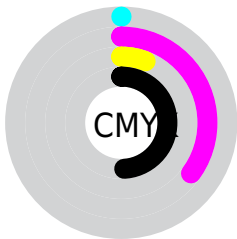
Distribution



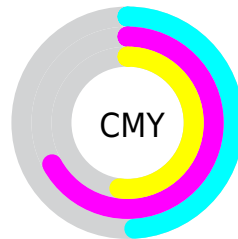
- Red (51%)
- Green (33%)
- Blue (48%)



- Red (51%)
- Yellow (33%)
- Blue (48%)



- Cyan (0%)
- Magenta (35%)
- Yellow (6%)
- Black (49%)



- Cyan (49%)
- Magenta (67%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 28.935, 331.773 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, 28.935, 331.773 by changing the saturation by 10% instead.

 42, 28.935,
331.773


 42, 28.935,
331.773


 100, 28.935,
331.773

 32, 28.935,
331.773

 62, 28.935,
331.773


 22, 28.935,
331.773

 72, 28.935,
331.773

 12, 28.935,
331.773

 82, 28.935,
331.773

 2, 28.935, 331.773

 92, 28.935,
331.773

 0, 28.935, 331.773

 42, 28.935,

 42, 28.935,

331.773

■ 39, 36.727,
332.415

■ 36, 43.932,
333.068

■ 34, 50.226,
333.736

■ 32, 55.272,
334.427

■ 30, 58.788,
335.160

■ 29, 60.723,
335.954

■ 29, 61.463,
336.323

331.773

■ 45, 20.818,
331.143

■ 49, 12.583,
330.524

■ 52, 4.374, 329.897

■ 56, 3.716, 149.433

■ 60, 11.628,
148.843

■ 64, 19.331,
148.310

■ 67, 26.811,
147.806

■ 71, 34.064,
147.330

■ 75, 41.097,
146.880

Harmonies

Complementary

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



42, 28.935, 331.773



50, 28.855, 146.997

Rectangle

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



42, 28.935, 331.773



42, 28.935, 21.773



42, 28.935, 151.773



42, 28.935, 201.773

Sweetspot

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



42, 28.933, 331.773



64, 11.091, 330.270



38, 28.500, 299.822



32, 7.422, 330.338



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 28.933, 331.773



51, 42.113, 332.258



41, 21.490, 357.523



25, 4.523, 330.136



28, 60.611, 336.305



0, 0.000, 0.000

Inverse Universe

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



42, 28.933, 331.773



51, 42.113, 332.258



51, 19.658, 170.262



25, 4.523, 330.136



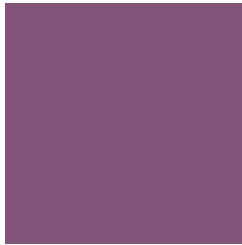
28, 60.611, 336.305



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 28.935, 331.773 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, 28.935, 331.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

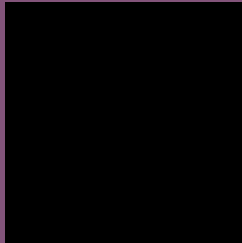
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 28.935, 331.773

Background



This preview shows how black text looks on a background with the CIELCh color 42, 28.935, 331.773.



This preview shows how white text looks on a background with the CIELCh color 42, 28.935, 331.773.

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, 28.935, 331.773

Protanopia

42, 20.645, 285.300

Deuteranopia

42, 13.956, 295.328



Tritanopia
42, 16.912, 7.602

Trichromacy



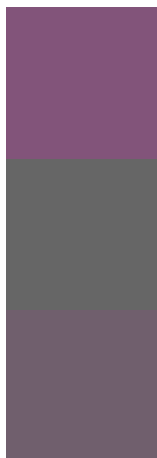
Original Color
42, 28.935, 331.773

Protanomaly
42, 21.759, 305.013

Deuteranomaly
42, 18.978, 314.153

Tritanomaly
42, 20.153, 350.154

Monochromacy



Original Color
42, 28.935, 331.773

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 10.968, 330.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 28.935, 331.773 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(130, 84, 122)` looks like.

```
.text, #text, p{  
    color:rgb(130, 84, 122)  
}
```

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(130, 84, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 84, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 28.935, 331.773 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(130, 84, 122) }
```

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

```
.border{ border-color:rgb(130, 84, 122) }
```

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

Here you see how a box with a 4 pixel rgb(130, 84, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 84, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 84, 122);  
box-shadow:4px 4px 4px 4px rgb(130, 84,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 28.935, 331.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 84, 122) }
```

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

```
.background{ background-color: rgb(130, 84,  
122) }
```

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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