

Converting Colors

CIELCh(42, 20.493, 348.456)

Have a look what the booklet for
CIELCh(42, 20.493, 348.456)
contains.

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Color

CIELCh(42, 20.428, 348.671)

Conversions

Conversions Part 1

Format	Color
Hex	80576A
RGB	128, 87, 106
RGB Percent	50%, 34%, 42%
CMY	0.4972, 0.6580, 0.5835
CMYK	0.00, 0.32, 0.17, 0.50
HSL	332°, 19%, 42%
HSV	332°, 32%, 50%
XYZ	14.9715, 12.5000, 15.3155
YIQ	101.4250, 18.3370, 14.6010

Conversions

Conversions Part 2

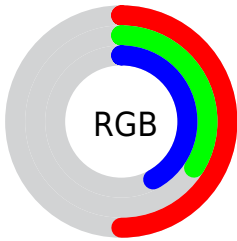
Format	Color
R_{YB}	128, 87, 106
Decimal	8410986
CIE _{Lab}	42.00, 20.03, -4.01
CIE _{LCh}	42, 20.428, 348.671
Yxy	12.5000, 0.3499, 0.2921
Android (android.graphics.Color)	4286601066 (0xFF80576A)
YUV	101.4250, 2.2555, 23.3063
Hunter-Lab	35.3553, 13.7152, -0.9350

Details

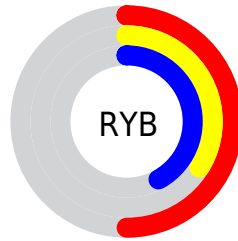
The CIELCh color $42, 20.428, 348.671$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $50, 19.520, 162.749$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 20.710, 349.086$, and $22, 20.338, 348.823$ is the 20% darker color. If you saturate the color by 10%, you get $39, 26.827, 349.897$, and if you desaturate by 10%, it is $46, 13.946, 347.603$.

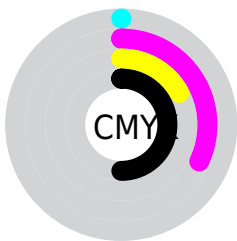
Distribution



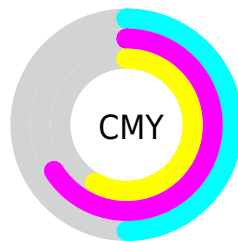
- Red (50%)
- Green (34%)
- Blue (42%)



- Red (50%)
- Yellow (34%)
- Blue (42%)



- Cyan (0%)
- Magenta (32%)
- Yellow (17%)
- Black (50%)





- Cyan (50%)
- Magenta (66%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 20.428, 348.671 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, 20.428, 348.671 by changing the saturation by 10% instead.


 42, 20.428,
348.671


 42, 20.428,
348.671


 100, 20.428,
348.671


 32, 20.428,
348.671

 62, 20.428,
348.671


 22, 20.428,
348.671

 72, 20.428,
348.671

 12, 20.428,
348.671

 82, 20.428,
348.671

 2, 20.428, 348.671

 92, 20.428,
348.671

 0, 20.428, 348.671

 42, 20.428,

 42, 20.428,

348.671

348.671

■ 39, 26.827,
349.897

■ 46, 13.946,
347.603

■ 36, 32.955,
351.328

■ 49, 7.521, 346.642

■ 33, 38.549,
353.042

■ 53, 1.233, 345.591

■ 57, 4.872, 165.130

■ 30, 43.307,
355.143

■ 61, 10.771,
164.395

■ 29, 46.943,
357.764

■ 64, 16.459,
163.739

■ 27, 49.293, 1.060

■ 68, 21.941,
163.138

■ 27, 50.769, 3.958

■ 72, 27.226,
162.582

■ 76, 32.328,

Harmonies

Complementary

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



42, 20.428, 348.671



50, 19.520, 162.749

Rectangle

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



42, 20.428, 348.671



42, 20.428, 38.671



42, 20.428, 168.671



42, 20.428, 218.671

Sweetspot

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



42, 20.426, 348.673



63, 7.723, 346.480



41, 26.340, 311.666



33, 5.318, 346.589



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, 20.426, 348.673



51, 29.970, 349.496



42, 17.769, 24.473



25, 3.507, 346.375



26, 50.566, 3.930



0, 0.000, 0.000

Inverse Universe

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



42, 20.426, 348.673



51, 29.970, 349.496



50, 14.336, 201.168



25, 3.507, 346.375



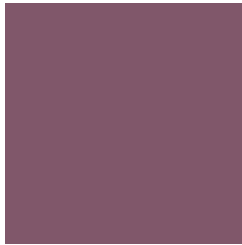
26, 50.566, 3.930



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 20.428, 348.671 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, 20.428, 348.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

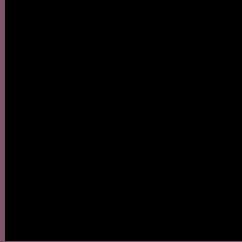
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 20.428, 348.671

Background



This preview shows how black text looks on a background with the CIELCh color 42, 20.428, 348.671.



This preview shows how white text looks on a background with the CIELCh color 42, 20.428, 348.671.

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, 20.428, 348.671

Protanopia

42, 8.477, 286.133

Deuteranopia

42, 7.108, 330.467



Tritanopia
42, 16.912, 7.602

Trichromacy



Original Color
42, 20.428, 348.671

Protanomaly
42, 11.053, 319.781

Deuteranomaly
42, 11.665, 342.772

Tritanomaly
42, 18.021, 358.662

Monochromacy



Original Color
42, 20.428, 348.671

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 7.548, 346.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 20.428, 348.671 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(128, 87, 106)` looks like.

```
.text, #text, p{  
    color:rgb(128, 87, 106)  
}
```

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(128, 87, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 87, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 20.428, 348.671 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(128, 87, 106) }
```

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

```
.border{ border-color:rgb(128, 87, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 87, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 87, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 87, 106);  
box-shadow:4px 4px 4px 4px rgb(128, 87,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 20.428, 348.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 87, 106) }
```

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

```
.background{ background-color: rgb(128, 87,  
106) }
```

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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