

Converting Colors

CIELCh(42, 31.897, 318.784)

Have a look what the booklet for
CIELCh(42, 31.897, 318.784)
contains.

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Color

CIELCh(42, 31.897, 318.784)

Conversions

Conversions Part 1

Format	Color
Hex	7A5686
RGB	122, 86, 134
RGB Percent	48%, 34%, 53%
CMY	0.5218, 0.6629, 0.4747
CMYK	0.09, 0.36, 0.00, 0.47
HSL	285°, 22%, 43%
HSV	285°, 36%, 53%
XYZ	15.6405, 12.5000, 24.1217
YIQ	102.2360, 6.0480, 22.5600

Conversions

Conversions Part 2

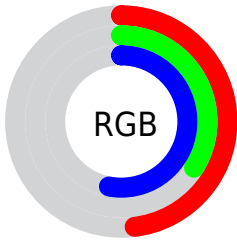
Format	Color
R_{YB}	122, 86, 134
Decimal	8017542
CIE _{Lab}	42.00, 23.99, -21.02
CIE _{LCh}	42, 31.897, 318.784
Yxy	12.5000, 0.2993, 0.2392
Android (android.graphics.Color)	4286207622 (0xFF7A5686)
YUV	102.2360, 15.6597, 17.3330
Hunter-Lab	35.3553, 17.0931, -15.7028

Details

The CIELCh color $42, 31.897, 318.784$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $52, 31.252, 135.525$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 31.914, 318.919$, and $22, 31.516, 318.591$ is the 20% darker color. If you saturate the color by 10%, you get $38, 40.723, 319.168$, and if you desaturate by 10%, it is $46, 22.917, 318.368$.

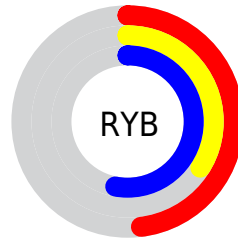
Distribution



Red (48%)

Green (34%)

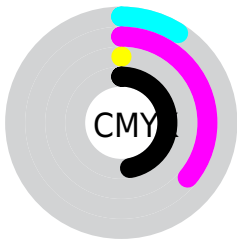
Blue (53%)



Red (48%)

Yellow (34%)

Blue (53%)

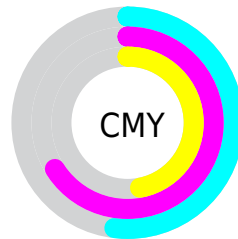


Cyan (9%)

Magenta (36%)

Yellow (0%)

Black (47%)



Cyan (52%)


Magenta (66%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 31.897, 318.784 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, 31.897, 318.784 by changing the saturation by 10% instead.


 42, 31.897,
318.784


 42, 31.897,
318.784


 100, 31.897,
318.784


 32, 31.897,
318.784

 62, 31.897,
318.784


 22, 31.897,
318.784

 72, 31.897,
318.784

 12, 31.897,
318.784


 82, 31.897,
318.784

 2, 31.897, 318.784

 92, 31.897,
318.784

 0, 31.897, 318.784

 42, 31.897,

 42, 31.897,

318.784

■ 38, 40.723,
319.168

■ 35, 49.165,
319.492

■ 32, 56.903,
319.718

■ 29, 63.546,
319.798

■ 27, 68.692,
319.684

■ 26, 72.161,
319.350

■ 25, 73.497,
319.209

318.784

■ 46, 22.917,
318.368

■ 50, 13.948,
317.940

■ 54, 5.092, 317.504

■ 58, 3.586, 137.171

■ 62, 12.053,
136.761

■ 66, 20.290,
136.401

■ 70, 28.294,
136.071

■ 74, 36.065,
135.769

 78, 43.611,
135.495

Harmonies

Complementary

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



42, 31.897, 318.784



52, 31.252, 135.525

Rectangle

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



42, 31.897, 318.784



42, 31.897, 8.784



42, 31.897, 138.784



42, 31.897, 188.784

Sweetspot

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



42, 31.896, 318.784



65, 11.918, 317.743



42, 21.547, 281.424



33, 7.982, 317.791



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



42, 31.896, 318.784



51, 47.217, 319.100



43, 28.819, 334.054



26, 4.898, 317.650



24, 71.938, 319.232



0, 1.163, 317.292

Inverse Universe

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



42, 21.708, 3.566



51, 32.470, 4.898



52, 28.649, 148.939



26, 3.218, 0.282



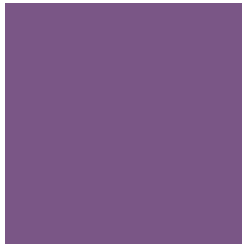
26, 53.987, 23.626



0, 0.756, 359.513

Previews

White Background



This preview shows how the CIELCh color 42, 31.897, 318.784 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, 31.897, 318.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

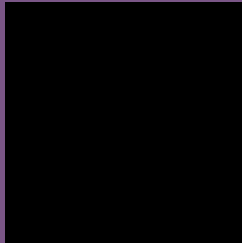
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 31.897, 318.784

Background



This preview shows how black text looks on a background with the CIELCh color 42, 31.897, 318.784.



This preview shows how white text looks on a background with the CIELCh color 42, 31.897, 318.784.

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, 31.897, 318.784

Protanopia

42, 27.326, 285.048

Deuteranopia

42, 20.610, 286.248



Tritanopia
42, 11.002, 358.511

Trichromacy



Original Color
42, 31.897, 318.784

Protanomaly
42, 27.911, 296.963

Deuteranomaly
42, 23.854, 300.486

Tritanomaly
42, 17.736, 333.552

Monochromacy



Original Color
42, 31.897, 318.784

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 12.098, 317.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 31.897, 318.784 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(122, 86, 134)` looks like.

```
.text, #text, p{  
    color:rgb(122, 86, 134)  
}
```

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(122, 86, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 86, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 31.897, 318.784 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(122, 86, 134) }
```

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

```
.border{ border-color:rgb(122, 86, 134) }
```

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

Here you see how a box with a 4 pixel rgb(122, 86, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 86, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 86, 134);  
box-shadow:4px 4px 4px 4px rgb(122, 86,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 31.897, 318.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 86, 134) }
```

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

```
.background{ background-color: rgb(122, 86,  
134) }
```

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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