

Converting Colors

CIELCh(42, 66.564, 316.507)

Have a look what the booklet for
CIELCh(42, 66.564, 316.507)
contains.

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Color

CIELCh(42, 66.885, 316.362)

Conversions

Conversions Part 1

Format	Color
Hex	8943B0
RGB	137, 67, 176
RGB Percent	54%, 26%, 69%
CMY	0.4622, 0.7367, 0.3093
CMYK	0.22, 0.62, 0.00, 0.31
HSL	279°, 45%, 48%
HSV	279°, 62%, 69%
XYZ	20.2046, 12.5000, 42.4944
YIQ	100.3560, 6.7310, 48.7390

Conversions

Conversions Part 2

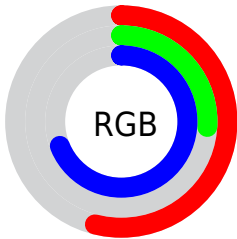
Format	Color
R_{YB}	137, 67, 176
Decimal	8995760
CIE _{Lab}	42.00, 48.41, -46.16
CIE _{LCh}	42, 66.885, 316.362
Yxy	12.5000, 0.2687, 0.1662
Android (android.graphics.Color)	4287185840 (0xFF8943B0)
YUV	100.3560, 37.2925, 32.1368
Hunter-Lab	35.3553, 40.1358, -46.5133

Details

The CIELCh color **42, 66.885, 316.362** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **65, 63.283, 131.012**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 66.669, 316.371**, and **22, 67.077, 316.286** is the 20% darker color. If you saturate the color by 10%, you get **38, 76.056, 316.519**, and if you desaturate by 10%, it is **46, 56.632, 316.060**.

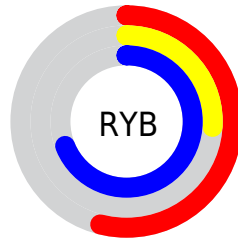
Distribution



Red (54%)

Green (26%)

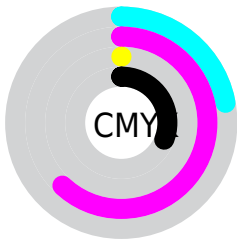
Blue (69%)



Red (54%)

Yellow (26%)

Blue (69%)

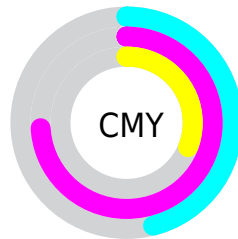


Cyan (22%)

Magenta (62%)

Yellow (0%)

Black (31%)



Cyan (46%)


Magenta (74%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 66.885, 316.362 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, 66.885, 316.362 by changing the saturation by 10% instead.


 42, 66.885,
316.362


 42, 66.885,
316.362


 100, 66.885,
316.362


 32, 66.885,
316.362

 62, 66.885,
316.362


 22, 66.885,
316.362

 72, 66.885,
316.362

 12, 66.885,
316.362

 82, 66.885,
316.362

 2, 66.885, 316.362

 92, 66.885,
316.362

 0, 66.885, 316.362

 42, 66.885,

 42, 66.885,

316.362

■ 38, 76.056,
316.519

■ 35, 83.557,
316.457

■ 33, 88.823,
316.101

■ 31, 91.723,
315.642

316.362

■ 46, 56.632,
316.060

■ 51, 45.792,
315.671

■ 56, 34.716,
315.240

■ 61, 23.638,
314.796

■ 66, 12.705,
314.356

■ 71, 1.999, 313.879

■ 76, 8.434, 133.585

■ 81, 18.574,
133.221

■ 86, 28.416,
132.896

Harmonies

Complementary

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



42, 66.885, 316.362



65, 63.283, 131.012

Rectangle

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



42, 66.885, 316.362



42, 66.885, 6.362



42, 66.885, 136.362



42, 66.885, 186.362

Sweetspot

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



42, 66.884, 316.362



79, 25.383, 314.682



45, 41.753, 280.920



40, 17.499, 314.806



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



42, 66.884, 316.362



49, 96.076, 316.526



47, 63.049, 332.013



35, 6.101, 314.244



26, 82.615, 315.758



2, 14.243, 310.200

Inverse Universe

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



45, 47.995, 0.930



53, 68.292, 4.772



64, 64.090, 142.541



35, 4.353, 352.883



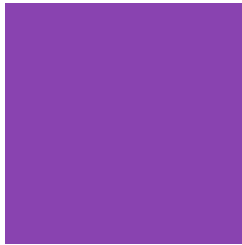
32, 58.362, 14.852



2, 9.913, 357.622

Previews

White Background



This preview shows how the CIELCh color 42, 66.885, 316.362 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, 66.885, 316.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

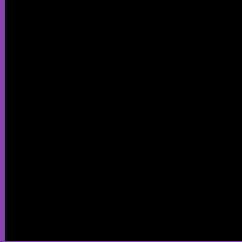
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 66.885, 316.362

Background



This preview shows how black text looks on a background with the CIELCh color 42, 66.885, 316.362.

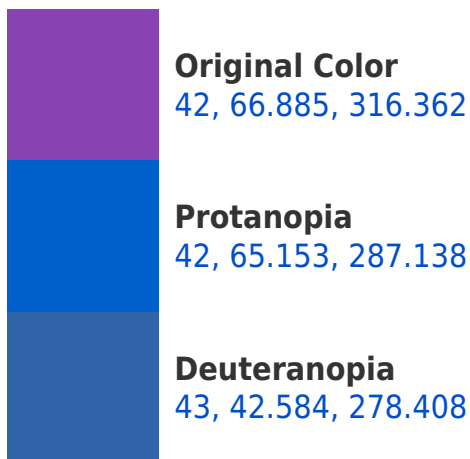


This preview shows how white text looks on a background with the CIELCh color 42, 66.885, 316.362.

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





Tritanopia
42, 15.185, 5.625

Trichromacy



Original Color
42, 66.885, 316.362

Protanomaly
40, 65.350, 292.692

Deuteranomaly
41, 50.174, 294.311

Tritanomaly
42, 31.888, 328.178

Monochromacy



Original Color
42, 66.885, 316.362

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 26.224, 315.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 66.885, 316.362 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(137, 67, 176)` looks like.

```
.text, #text, p{  
    color:rgb(137, 67, 176)  
}
```

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(137, 67, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 67, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 66.885, 316.362 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(137, 67, 176) }
```

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

```
.border{ border-color:rgb(137, 67, 176) }
```

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

Here you see how a box with a 4 pixel rgb(137, 67, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 67, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 67, 176);  
box-shadow:4px 4px 4px 4px rgb(137, 67,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 66.885, 316.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 67, 176) }
```

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

```
.background{ background-color: rgb(137, 67,  
176) }
```

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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