

Converting Colors

CIELCh(42, 53.398, 313.879)

Have a look what the booklet for
CIELCh(42, 53.398, 313.879)
contains.

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Color

CIELCh(42, 53.044, 313.656)

Conversions

Conversions Part 1

Format	Color
Hex	7E4EA3
RGB	126, 78, 163
RGB Percent	49%, 31%, 64%
CMY	0.5063, 0.6945, 0.3613
CMYK	0.23, 0.52, 0.00, 0.36
HSL	274°, 35%, 47%
HSV	274°, 52%, 64%
XYZ	17.9035, 12.5000, 36.0632
YIQ	102.0420, 1.3230, 36.6110

Conversions

Conversions Part 2

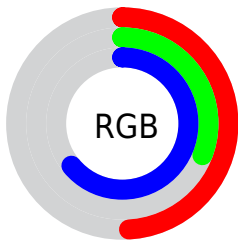
Format	Color
R_{YB}	126, 78, 163
Decimal	8277667
CIE _{Lab}	42.00, 36.62, -38.38
CIE _{LCh}	42, 53.044, 313.656
Yxy	12.5000, 0.2694, 0.1881
Android (android.graphics.Color)	4286467747 (0xFF7E4EA3)
YUV	102.0420, 30.0523, 21.0112
Hunter-Lab	35.3553, 28.5182, -35.7283

Details

The CIELCh color $42, 53.044, 313.656$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $62, 49.804, 128.940$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 52.634, 313.810$, and $22, 53.286, 313.622$ is the 20% darker color. If you saturate the color by 10%, you get $38, 62.874, 314.028$, and if you desaturate by 10%, it is $47, 42.790, 313.209$.

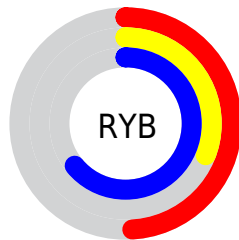
Distribution



Red (49%)

Green (31%)

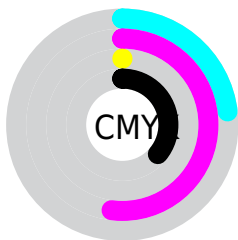
Blue (64%)



Red (49%)

Yellow (31%)

Blue (64%)

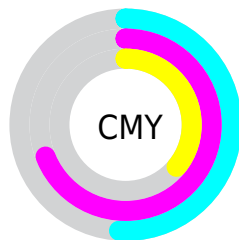


Cyan (23%)

Magenta (52%)

Yellow (0%)

Black (36%)



Cyan (51%)


Magenta (69%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 53.044, 313.656 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, 53.044, 313.656 by changing the saturation by 10% instead.


 42, 53.044,
313.656


 42, 53.044,
313.656


 100, 53.044,
313.656


 32, 53.044,
313.656

 62, 53.044,
313.656


 22, 53.044,
313.656

 72, 53.044,
313.656

 12, 53.044,
313.656

 82, 53.044,
313.656

 2, 53.044, 313.656

 92, 53.044,
313.656

 0, 53.044, 313.656

 42, 53.044,

 42, 53.044,

313.656

■ 38, 62.874,
314.028

■ 34, 71.836,
314.262

■ 31, 79.345,
314.271

■ 28, 84.791,
313.963

■ 26, 87.923,
313.574

313.656

■ 47, 42.790,
313.209

■ 51, 32.418,
312.734

■ 56, 22.117,
312.258

■ 61, 11.998,
311.799

■ 66, 2.123, 311.328

■ 71, 7.481, 131.010

■ 76, 16.803,
130.649

■ 81, 25.845,
130.331

■ 86, 34.614,
130.049

Harmonies

Complementary

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



42, 53.044, 313.656



62, 49.804, 128.940

Rectangle

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



42, 53.044, 313.656



42, 53.044, 3.656



42, 53.044, 133.656



42, 53.044, 183.656

Sweetspot

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



42, 53.043, 313.656



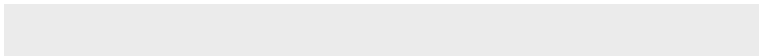
75, 19.612, 311.985



48, 29.245, 270.539



39, 13.378, 312.075



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



42, 53.043, 313.656



48, 78.672, 314.089



47, 54.367, 328.602



32, 5.562, 311.669



23, 80.811, 313.681



1, 8.459, 309.467

Inverse Universe

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



45, 39.649, 353.374



53, 57.765, 355.706



60, 54.750, 141.494



32, 4.233, 348.040



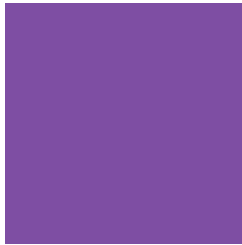
30, 55.538, 7.204



1, 6.335, 349.760

Previews

White Background



This preview shows how the CIELCh color 42, 53.044, 313.656 looks on a white background.

Color Contrast Check

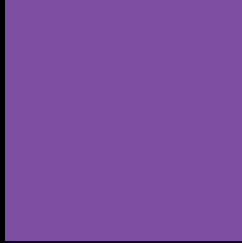
Large Text (above 18pt) WCAG AA ✓ Pass

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, 53.044, 313.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

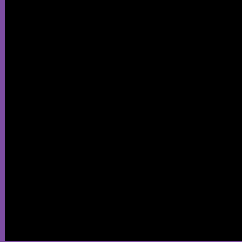
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 53.044, 313.656

Background



This preview shows how black text looks on a background with the CIELCh color 42, 53.044, 313.656.



This preview shows how white text looks on a background with the CIELCh color 42, 53.044, 313.656.

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, 53.044, 313.656

Protanopia

42, 50.780, 286.493

Deuteranopia

42, 36.255, 279.844



Tritanopia
42, 10.448, 353.461

Trichromacy



Original Color
42, 53.044, 313.656

Protanomaly
42, 50.649, 294.926

Deuteranomaly
42, 41.084, 294.217

Tritanomaly
42, 24.862, 321.896

Monochromacy



Original Color
42, 53.044, 313.656

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 20.057, 312.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 53.044, 313.656 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(126, 78, 163)` looks like.

```
.text, #text, p{  
    color:rgb(126, 78, 163)  
}
```

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(126, 78, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 78, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 53.044, 313.656 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(126, 78, 163) }
```

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

```
.border{ border-color:rgb(126, 78, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 78, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 78, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 78, 163); box-shadow:4px 4px 4px 4px rgb(126, 78, 163) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 53.044, 313.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 78, 163) }
```

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

```
.background{ background-color: rgb(126, 78,  
163) }
```

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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