

Converting Colors

CIELCh(42, 53.198, 340.894)

Have a look what the booklet for
CIELCh(42, 53.198, 340.894)
contains.

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Color

CIELCh(42, 53.448, 340.856)

Conversions

Conversions Part 1

Format	Color
Hex	A33B81
RGB	163, 59, 129
RGB Percent	64%, 23%, 51%
CMY	0.3608, 0.7686, 0.4941
CMYK	0.00, 0.64, 0.21, 0.36
HSL	320°, 47%, 44%
HSV	320°, 64%, 64%
XYZ	20.6314, 12.5000, 22.0950
YIQ	98.0760, 39.5140, 43.8180

Conversions

Conversions Part 2

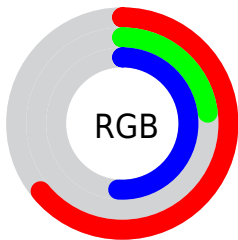
Format	Color
R_{YB}	163, 59, 129
Decimal	10697601
CIE _{Lab}	42.00, 50.49, -17.53
CIE _{LCh}	42, 53.448, 340.856
Yxy	12.5000, 0.3736, 0.2263
Android (android.graphics.Color)	4288887681 (0xFFA33B81)
YUV	98.0760, 15.2455, 56.9383
Hunter-Lab	35.3553, 42.2906, -12.3040

Details

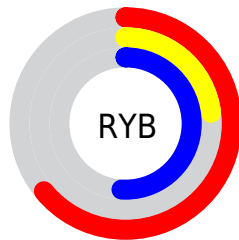
The CIELCh color $42, 53.448, 340.856$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $60, 53.500, 148.758$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 53.155, 340.741$, and $23, 50.823, 341.150$ is the 20% darker color. If you saturate the color by 10%, you get $39, 58.988, 342.119$, and if you desaturate by 10%, it is $45, 46.486, 339.763$.

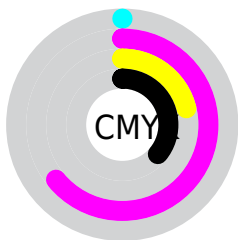
Distribution



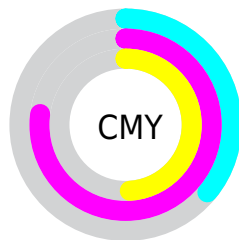
- Red (64%)
- Green (23%)
- Blue (51%)



- Red (64%)
- Yellow (23%)
- Blue (51%)



- Cyan (0%)
- Magenta (64%)
- Yellow (21%)
- Black (36%)





- Cyan (36%)
- Magenta (77%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 53.448, 340.856 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, 53.448, 340.856 by changing the saturation by 10% instead.


 42, 53.448,
340.856


 42, 53.448,
340.856


 100, 53.448,
340.856


 32, 53.448,
340.856

 62, 53.448,
340.856


 22, 53.448,
340.856

 72, 53.448,
340.856

 12, 53.448,
340.856

 82, 53.448,
340.856

 2, 53.448, 340.856

 92, 53.448,
340.856

 0, 53.448, 340.856

 42, 53.448,

 42, 53.448,

340.856

■ 39, 58.988,
342.119

■ 38, 62.744,
343.619

■ 36, 64.534,
345.440

■ 36, 65.078,
346.684

340.856

■ 45, 46.486,
339.763

■ 49, 38.532,
338.792

■ 52, 29.972,
337.910

■ 57, 21.114,
337.096

■ 61, 12.183,
336.333

■ 65, 3.329, 335.564

■ 70, 5.354, 155.049

■ 74, 13.812,
154.395

■ 79, 22.021,
153.804

Harmonies

Complementary

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



42, 53.448, 340.856



60, 53.500, 148.758

Rectangle

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



42, 53.448, 340.856



42, 53.448, 30.856



42, 53.448, 160.856



42, 53.448, 210.856

Sweetspot

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



42, 53.445, 340.856



74, 20.816, 336.751



34, 64.482, 307.194



38, 14.457, 336.962



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, 53.445, 340.856



50, 74.036, 342.779



40, 45.993, 14.792



32, 4.982, 335.996



32, 59.943, 346.447



1, 7.382, 337.914

Inverse Universe

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



42, 53.445, 340.856



50, 74.036, 342.779



61, 34.441, 178.150



32, 4.982, 335.996



32, 59.943, 346.447



1, 7.382, 337.914

Previews

White Background



This preview shows how the CIELCh color 42, 53.448, 340.856 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, 53.448, 340.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

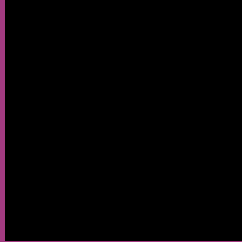
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 53.448, 340.856

Background



This preview shows how black text looks on a background with the CIELCh color 42, 53.448, 340.856.

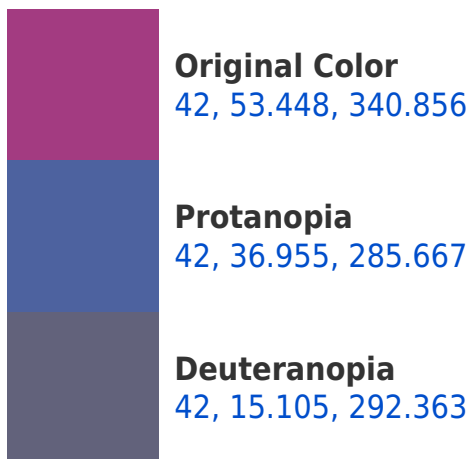


This preview shows how white text looks on a background with the CIELCh color 42, 53.448, 340.856.

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, 38.998, 21.681

Trichromacy



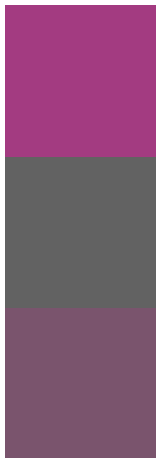
Original Color
42, 53.448, 340.856

Protanomaly
41, 39.786, 307.228

Deuteranomaly
41, 28.730, 324.017

Tritanomaly
42, 41.563, 3.362

Monochromacy



Original Color
42, 53.448, 340.856

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 21.588, 338.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 53.448, 340.856 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(163, 59, 129)` looks like.

```
.text, #text, p{  
    color:rgb(163, 59, 129)  
}
```

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(163, 59, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 59, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 53.448, 340.856 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(163, 59, 129) }
```

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

```
.border{ border-color:rgb(163, 59, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 59, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 59, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 59, 129);  
box-shadow:4px 4px 4px 4px rgb(163, 59,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 53.448, 340.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 59, 129) }
```

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

```
.background{ background-color: rgb(163, 59,  
129) }
```

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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