

Converting Colors

CIELCh(42, 37.029, 295.666)

Have a look what the booklet for
CIELCh(42, 37.029, 295.666)
contains.

CIELCh(42, 36.863, 295.804)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 36.863, 295.804)

Conversions

Conversions Part 1

Format	Color
Hex	5E5D9A
RGB	94, 93, 154
RGB Percent	37%, 36%, 60%
CMY	0.6320, 0.6359, 0.3967
CMYK	0.39, 0.40, 0.00, 0.40
HSL	241°, 25%, 48%
HSV	241°, 40%, 60%
XYZ	14.3186, 12.5000, 32.1558
YIQ	100.2530, -18.9850, 19.1830

Conversions

Conversions Part 2

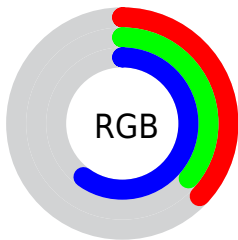
Format	Color
RYB	94, 93, 154
Decimal	6184346
CIELab	42.00, 16.05, -33.19
CIElCh	42, 36.863, 295.804
Yxy	12.5000, 0.2428, 0.2120
Android (android.graphics.Color)	4284374426 (0xFF5E5D9A)
YUV	100.2530, 26.4973, -5.4839
Hunter-Lab	35.3553, 10.4190, -29.1757

Details


The CIELCh color $42, 36.863, 295.804$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 33.375, 107.193$, and the grayscale version is $42, 0.006, 296.813$.


A 20% lighter version of the original color is $62, 37.141, 296.068$, and $22, 36.745, 295.876$ is the 20% darker color. If you saturate the color by 10%, you get $37, 47.118, 297.590$, and if you desaturate by 10%, it is $47, 26.994, 294.245$.

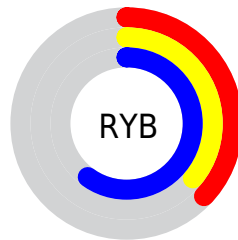
Distribution



 Red (37%)

 Green (36%)

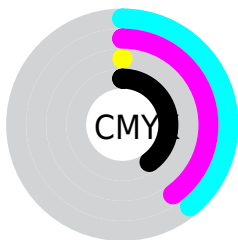
 Blue (60%)




 Red (37%)

 Yellow (36%)


 Blue (60%)

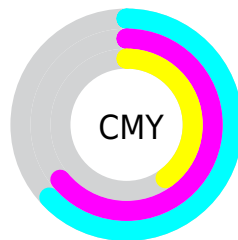



 Cyan (39%)


 Magenta (40%)

 Yellow (0%)

 Black (40%)



 Cyan (63%)

 Magenta (64%)

 Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 36.863, 295.804 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, 36.863, 295.804 by changing the saturation by 10% instead.

■ 42, 36.863,
295.804

■ 42, 36.863,
295.804

■ 100, 36.863,
295.804

■ 32, 36.863,
295.804

■ 62, 36.863,
295.804

■ 22, 36.863,
295.804

■ 72, 36.863,
295.804

■ 12, 36.863,
295.804

■ 82, 36.863,
295.804

■ 2, 36.863, 295.804

■ 92, 36.863,
295.804

■ 0, 36.863, 295.804

■ 42, 36.863,

■ 42, 36.863,

295.804

295.804

■ 37, 47.118,
297.590

■ 47, 26.994,
294.245

■ 31, 57.665,
299.573

■ 53, 17.525,
292.906

■ 27, 68.206,
301.654

■ 58, 8.436, 291.765

■ 22, 78.049,
303.633

■ 64, 0.298, 110.625

■ 69, 8.704, 109.949

■ 19, 85.974,
305.210

■ 74, 16.806,
109.242

■ 17, 91.464,
306.307

■ 80, 24.625,
108.634

■ 17, 91.663,
306.347

■ 85, 32.180,
108.110

■ 90, 39.489,

Harmonies

Complementary

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



42, 36.863, 295.804



62, 33.375, 107.193

Rectangle

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



42, 36.863, 295.804



42, 36.863, 345.804



42, 36.863, 115.804



42, 36.863, 165.804

Sweetspot

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



42, 36.862, 295.804



72, 13.007, 292.042



60, 20.631, 197.565



37, 8.625, 292.170



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



42, 36.862, 295.804



48, 56.089, 297.455



45, 37.997, 311.003



29, 4.919, 291.721



15, 85.671, 306.354



0, 5.231, 290.806

Inverse Universe

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



48, 41.220, 326.970



58, 60.652, 327.413



60, 35.941, 127.253



30, 5.875, 325.349



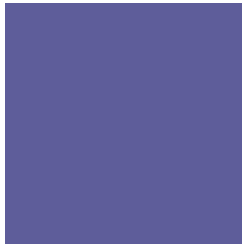
33, 73.154, 328.873



1, 6.306, 324.932

Previews

White Background



This preview shows how the CIELCh color 42, 36.863, 295.804 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, 36.863, 295.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

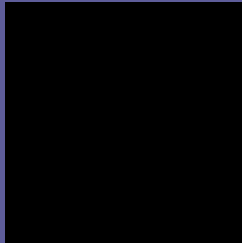
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 36.863, 295.804

Background



This preview shows how black text looks on a background with the CIELCh color 42, 36.863, 295.804.



This preview shows how white text looks on a background with the CIELCh color 42, 36.863, 295.804.

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

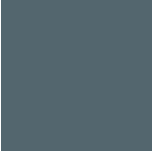
42, 36.863, 295.804

Protanopia

42, 37.013, 285.740

Deuteranopia

42, 33.131, 280.740



Tritanopia
42, 8.580, 233.179

Trichromacy



Original Color
42, 36.863, 295.804

Protanomaly
42, 36.899, 289.235

Deuteranomaly
42, 33.964, 286.120

Tritanomaly
42, 16.732, 277.632

Monochromacy



Original Color
42, 36.863, 295.804

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 13.935, 293.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 36.863, 295.804 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(94, 93, 154)` looks like.

```
.text, #text, p{  
    color:rgb(94, 93, 154)  
}
```

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(94, 93, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 93, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 36.863, 295.804 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(94, 93, 154) }
```

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

```
.border{ border-color:rgb(94, 93, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 93, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 93, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 93, 154);  
box-shadow:4px 4px 4px 4px rgb(94, 93,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 36.863, 295.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 93, 154) }
```

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

```
.background{ background-color: rgb(94, 93,  
154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor