

Converting Colors

CIELCh(42, 44.586, 296.314)

Have a look what the booklet for
CIELCh(42, 44.586, 296.314)
contains.

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Color

CIELCh(42, 44.664, 296.307)

Conversions

Conversions Part 1

Format	Color
Hex	5B5BA5
RGB	91, 91, 165
RGB Percent	36%, 36%, 65%
CMY	0.6419, 0.6420, 0.3517
CMYK	0.45, 0.45, 0.00, 0.35
HSL	240°, 29%, 50%
HSV	240°, 45%, 65%
XYZ	14.9323, 12.5000, 37.3775
YIQ	99.4360, -23.7540, 23.0140

Conversions

Conversions Part 2

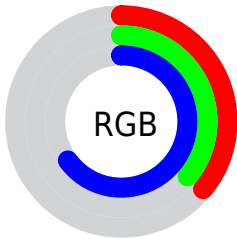
Format	Color
R_{YB}	91, 91, 165
Decimal	5987237
CIE _{Lab}	42.00, 19.79, -40.04
CIE _{LCh}	42, 44.664, 296.307
Yxy	12.5000, 0.2304, 0.1929
Android (android.graphics.Color)	4284177317 (0xFF5B5BA5)
YUV	99.4360, 32.3231, -7.3984
Hunter-Lab	35.3553, 13.5174, -37.9324

Details

The CIELCh color `42, 44.664, 296.307` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `66, 39.725, 105.992`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 44.436, 296.402`, and `22, 45.270, 296.675` is the 20% darker color. If you saturate the color by 10%, you get `36, 55.745, 298.290`, and if you desaturate by 10%, it is `48, 33.965, 294.557`.

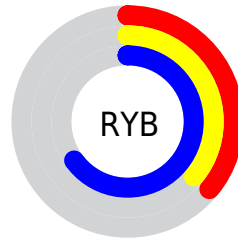
Distribution



Red (36%)

Green (36%)

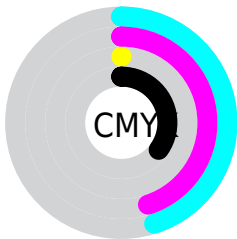
Blue (65%)



Red (36%)

Yellow (36%)

Blue (65%)

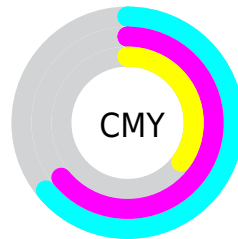


Cyan (45%)

Magenta (45%)

Yellow (0%)

Black (35%)



Cyan (64%)


Magenta (64%)

Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 44.664, 296.307 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, 44.664, 296.307 by changing the saturation by 10% instead.

 42, 44.664,
296.307


 42, 44.664,
296.307


 100, 44.664,
296.307


 32, 44.664,
296.307

 62, 44.664,
296.307


 22, 44.664,
296.307

 72, 44.664,
296.307

 12, 44.664,
296.307

 82, 44.664,
296.307

 2, 44.664, 296.307

 92, 44.664,
296.307

 0, 44.664, 296.307

 42, 44.664,

 42, 44.664,

296.307

■ 36, 55.745,
298.290

■ 31, 67.013,
300.439

■ 26, 77.939,
302.593

■ 22, 87.444,
304.476

■ 20, 94.016,
305.762

■ 19, 96.744,
306.289

296.307

■ 48, 33.965,
294.557

■ 54, 23.698,
293.046

■ 59, 13.851,
291.758


■ 65, 4.398, 290.671

■ 71, 4.691, 109.715

■ 77, 13.443,
108.929

■ 82, 21.882,
108.252

■ 88, 30.031,
107.670

 93, 37.908,
107.168

Harmonies

Complementary

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



42, 44.664, 296.307



66, 39.725, 105.992

Rectangle

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



42, 44.664, 296.307



42, 44.664, 346.307



42, 44.664, 116.307



42, 44.664, 166.307

Sweetspot

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



42, 44.663, 296.308



76, 14.994, 291.577



63, 24.098, 197.369



39, 10.517, 291.826



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, 44.663, 296.308



47, 67.870, 298.332



45, 45.705, 311.290



31, 5.189, 291.133



16, 88.023, 306.289



0, 7.947, 290.192

Inverse Universe

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



50, 49.537, 326.778



60, 72.140, 327.223



64, 42.864, 127.012



32, 6.266, 324.929



34, 75.997, 328.249



2, 9.701, 324.453

Previews

White Background



This preview shows how the CIELCh color 42, 44.664, 296.307 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, 44.664, 296.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

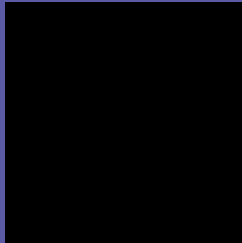
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 44.664, 296.307

Background



This preview shows how black text looks on a background with the CIELCh color 42, 44.664, 296.307.



This preview shows how white text looks on a background with the CIELCh color 42, 44.664, 296.307.

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, 44.664, 296.307

Protanopia

42, 44.237, 285.899

Deuteranopia

42, 38.913, 278.575



Tritanopia
42, 10.899, 228.566

Trichromacy



Original Color
42, 44.664, 296.307

Protanomaly
42, 44.066, 289.375

Deuteranomaly
42, 40.725, 284.879

Tritanomaly
42, 19.987, 275.920

Monochromacy



Original Color
42, 44.664, 296.307

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 16.337, 292.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 44.664, 296.307 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(91, 91, 165)` looks like.

```
.text, #text, p{  
    color:rgb(91, 91, 165)  
}
```

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(91, 91, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 91, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 44.664, 296.307 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(91, 91, 165) }
```

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

```
.border{ border-color:rgb(91, 91, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 91, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 91, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 91, 165);  
box-shadow:4px 4px 4px 4px rgb(91, 91,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 44.664, 296.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 91, 165) }
```

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

```
.background{ background-color: rgb(91, 91,  
165) }
```

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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