

Converting Colors

CIELCh(42, 57.058, 299.317)

Have a look what the booklet for
CIELCh(42, 57.058, 299.317)
contains.

CIELCh(42, 57.152, 299.366)	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, 57.152, 299.366)

Conversions

Conversions Part 1

Format	Color
Hex	5D57B6
RGB	93, 87, 182
RGB Percent	36%, 34%, 71%
CMY	0.6356, 0.6591, 0.2866
CMYK	0.49, 0.52, 0.00, 0.29
HSL	244°, 39%, 53%
HSV	244°, 52%, 71%
XYZ	16.3413, 12.5000, 45.7591
YIQ	99.6240, -26.9190, 30.8170

Conversions

Conversions Part 2

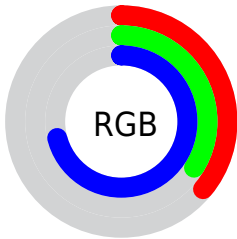
Format	Color
R_{YB}	93, 87, 182
Decimal	6117302
CIE _{Lab}	42.00, 28.03, -49.81
CIE _{LCh}	42, 57.152, 299.366
Yxy	12.5000, 0.2191, 0.1676
Android (android.graphics.Color)	4284307382 (0xFF5D57B6)
YUV	99.6240, 40.6114, -5.8092
Hunter-Lab	35.3553, 20.6313, -51.9881

Details

The CIELCh color `42, 57.152, 299.366` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `72, 49.524, 108.284`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 57.360, 299.455`, and `22, 56.662, 299.181` is the 20% darker color. If you saturate the color by 10%, you get `36, 69.215, 301.196`, and if you desaturate by 10%, it is `48, 45.310, 297.684`.

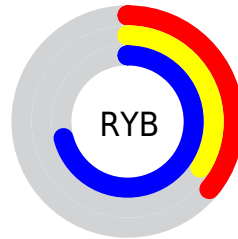
Distribution



Red (36%)

Green (34%)

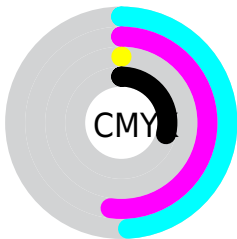
Blue (71%)



Red (36%)

Yellow (34%)

Blue (71%)

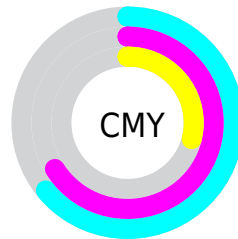


Cyan (49%)

Magenta (52%)

Yellow (0%)

Black (29%)



Cyan (64%)


Magenta (66%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 57.152, 299.366 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, 57.152, 299.366 by changing the saturation by 10% instead.


 42, 57.152,
299.366

 42, 57.152,
299.366


 100, 57.152,
299.366


 32, 57.152,
299.366

 62, 57.152,
299.366


 22, 57.152,
299.366

 72, 57.152,
299.366

 12, 57.152,
299.366

 82, 57.152,
299.366

 2, 57.152, 299.366

 92, 57.152,
299.366

 0, 57.152, 299.366

 42, 57.152,

 42, 57.152,

299.366

■ 36, 69.215,
301.196

■ 31, 81.031,
303.051

■ 26, 91.622,
304.710

■ 23, 99.482,
305.877

■ 22, 103.517,
306.478

299.366

■ 48, 45.310,
297.684

■ 54, 33.871,
296.195

■ 60, 22.881,
294.905


■ 67, 12.333,
293.799

■ 73, 2.201, 292.867

■ 79, 7.542, 112.037

■ 85, 16.925,
111.350

■ 91, 25.973,
110.760

 97, 34.710,
110.253

Harmonies

Complementary

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



42, 57.152, 299.366



72, 49.524, 108.284

Rectangle

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



42, 57.152, 299.366



42, 57.152, 349.366



42, 57.152, 119.366



42, 57.152, 169.366

Sweetspot

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



42, 57.152, 299.367



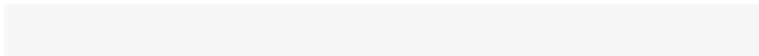
82, 20.197, 294.226



67, 27.657, 202.733



42, 13.803, 294.453



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



42, 57.152, 299.367



46, 87.146, 301.543



47, 58.013, 313.225



35, 5.731, 293.512



18, 92.159, 306.516



1, 15.400, 292.124

Inverse Universe

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



52, 58.949, 329.042



62, 84.916, 329.604



69, 54.275, 128.429



36, 6.619, 326.679



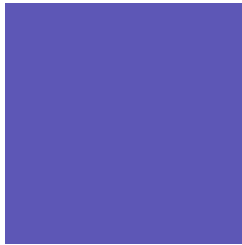
36, 76.083, 330.874



3, 17.654, 327.250

Previews

White Background



This preview shows how the CIE LCh color 42, 57.152, 299.366 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, 57.152, 299.366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

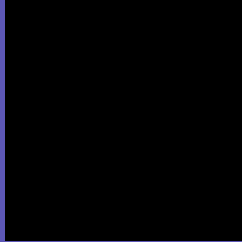
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 57.152, 299.366

Background



This preview shows how black text looks on a background with the CIELCh color 42, 57.152, 299.366.




This preview shows how white text looks on a background with the CIELCh color 42, 57.152, 299.366.

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, 12.634, 223.886

Trichromacy



Original Color
42, 57.152, 299.366

Protanomaly
42, 57.212, 290.481

Deuteranomaly
41, 51.352, 283.322

Tritanomaly
42, 24.664, 279.706

Monochromacy



Original Color
42, 57.152, 299.366

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 21.242, 295.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 57.152, 299.366 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(93, 87, 182)` looks like.

```
.text, #text, p{  
    color:rgb(93, 87, 182)  
}
```

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(93, 87, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 87, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 57.152, 299.366 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(93, 87, 182) }
```

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

```
.border{ border-color:rgb(93, 87, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 87, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 87, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 87, 182);  
box-shadow:4px 4px 4px 4px rgb(93, 87,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 57.152, 299.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 87, 182) }
```

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

```
.background{ background-color: rgb(93, 87,  
182) }
```

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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