

Converting Colors

CIELCh(42, 56.659, 299.647)

Have a look what the booklet for
CIELCh(42, 56.659, 299.647)
contains.

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Color

CIELCh(42, 56.573, 299.601)

Conversions

Conversions Part 1

Format	Color
Hex	5E57B5
RGB	94, 87, 181
RGB Percent	37%, 34%, 71%
CMY	0.6319, 0.6593, 0.2907
CMYK	0.48, 0.52, 0.00, 0.29
HSL	244°, 39%, 52%
HSV	244°, 52%, 71%
XYZ	16.3269, 12.5000, 45.1944
YIQ	99.8090, -26.0020, 30.7180

Conversions

Conversions Part 2

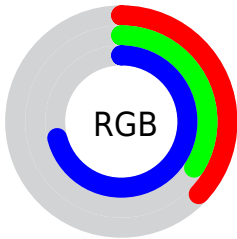
Format	Color
R_{YB}	94, 87, 181
Decimal	6182837
CIE _{Lab}	42.00, 27.94, -49.19
CIE _{LCh}	42, 56.573, 299.601
Yxy	12.5000, 0.2206, 0.1689
Android (android.graphics.Color)	4284372917 (0xFF5E57B5)
YUV	99.8090, 40.0272, -5.0945
Hunter-Lab	35.3553, 20.5584, -51.0411

Details

The CIELCh color `42, 56.573, 299.601` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `71, 49.104, 108.831`, and the grayscale version is `42, 0.006, 296.813`.

A 20% lighter version of the original color is `62, 56.816, 299.453`, and `22, 56.699, 299.811` is the 20% darker color. If you saturate the color by 10%, you get `36, 68.557, 301.375`, and if you desaturate by 10%, it is `48, 44.807, 297.969`.

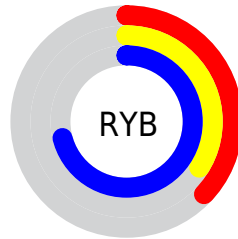
Distribution



Red (37%)

Green (34%)

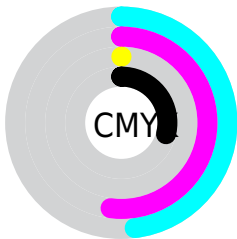
Blue (71%)



Red (37%)

Yellow (34%)

Blue (71%)

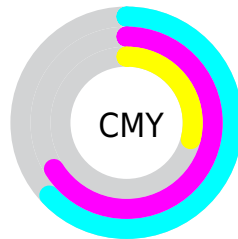


Cyan (48%)

Magenta (52%)

Yellow (0%)

Black (29%)



Cyan (63%)


Magenta (66%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 56.573, 299.601 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, 56.573, 299.601 by changing the saturation by 10% instead.


 42, 56.573,
299.601


 42, 56.573,
299.601


 100, 56.573,
299.601


 32, 56.573,
299.601

 62, 56.573,
299.601


 22, 56.573,
299.601

 72, 56.573,
299.601

 12, 56.573,
299.601

 82, 56.573,
299.601

 2, 56.573, 299.601

 92, 56.573,
299.601

 0, 56.573, 299.601

 42, 56.573,

 42, 56.573,

299.601

■ 36, 68.557,
301.375

■ 31, 80.306,
303.174

■ 27, 90.874,
304.786

■ 23, 98.794,
305.922

■ 22, 103.007,
306.518

299.601

■ 48, 44.807,
297.969

■ 54, 33.437,
296.523

■ 60, 22.510,
295.268


■ 66, 12.019,
294.191

■ 72, 1.941, 293.283

■ 78, 7.752, 112.473

■ 84, 17.087,
111.802

■ 90, 26.089,
111.225

 96, 34.782,
110.729

Harmonies

Complementary

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



42, 56.573, 299.601



71, 49.104, 108.831

Rectangle

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



42, 56.573, 299.601



42, 56.573, 349.601



42, 56.573, 119.601



42, 56.573, 169.601

Sweetspot

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



42, 56.573, 299.602



81, 20.029, 294.634



66, 26.997, 204.742



41, 13.566, 294.852



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



42, 56.573, 299.602



47, 84.868, 301.570



47, 57.540, 313.726



35, 5.601, 293.933



17, 90.980, 306.564



1, 13.334, 292.436

Inverse Universe

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



51, 57.989, 329.393



62, 82.560, 329.942



68, 54.035, 128.998



35, 6.417, 327.006



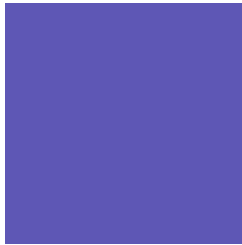
35, 74.520, 331.380



3, 15.061, 327.613

Previews

White Background



This preview shows how the CIELCh color 42, 56.573, 299.601 looks on a white background.

Color Contrast Check

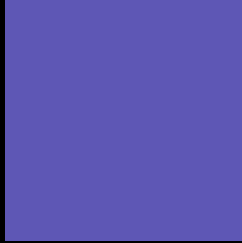
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.573, 299.601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

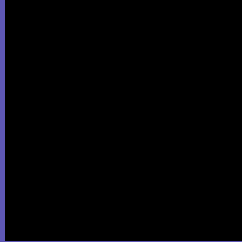
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 56.573, 299.601

Background



This preview shows how black text looks on a background with the CIELCh color 42, 56.573, 299.601.



This preview shows how white text looks on a background with the CIELCh color 42, 56.573, 299.601.

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, 56.573, 299.601

Protanopia

42, 56.800, 286.983

Deuteranopia

42, 47.735, 277.480



Tritanopia
42, 11.867, 222.449

Trichromacy



Original Color
42, 56.573, 299.601

Protanomaly
42, 56.598, 290.674

Deuteranomaly
42, 50.574, 284.354

Tritanomaly
42, 24.027, 279.937

Monochromacy



Original Color
42, 56.573, 299.601

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 20.660, 296.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 56.573, 299.601 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, 87, 181)` looks like.

```
.text, #text, p{  
    color:rgb(94, 87, 181)  
}
```

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, 87, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 87, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 56.573, 299.601 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, 87, 181) }
```

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

```
.border{ border-color:rgb(94, 87, 181) }
```

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

Here you see how a box with a 4 pixel rgb(94, 87, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 87, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 87, 181);  
box-shadow:4px 4px 4px 4px rgb(94, 87,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 56.573, 299.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 87, 181) }
```

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

```
.background{ background-color: rgb(94, 87,  
181) }
```

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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