

Converting Colors

CIELCh(42, 56.885, 295.082)

Have a look what the booklet for
CIELCh(42, 56.885, 295.082)
contains.

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Color

CIELCh(42, 57.062, 295.236)

Conversions

Conversions Part 1

Format	Color
Hex	505AB9
RGB	80, 90, 185
RGB Percent	31%, 35%, 73%
CMY	0.6866, 0.6474, 0.2749
CMYK	0.57, 0.51, 0.00, 0.27
HSL	234°, 43%, 52%
HSV	234°, 57%, 73%
XYZ	15.6978, 12.5000, 47.4357
YIQ	97.8400, -36.4550, 27.4250

Conversions

Conversions Part 2

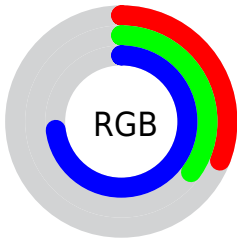
Format	Color
R_{YB}	80, 89, 185
Decimal	5266105
CIE _{Lab}	42.00, 24.33, -51.62
CIE _{LCh}	42, 57.062, 295.236
Yxy	12.5000, 0.2076, 0.1653
Android (android.graphics.Color)	4283456185 (0xFF505AB9)
YUV	97.8400, 42.9699, -15.6457
Hunter-Lab	35.3553, 17.3825, -54.7996

Details

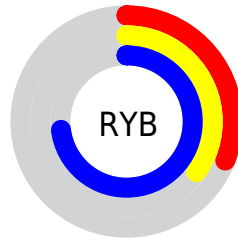
The CIELCh color $42, 57.062, 295.236$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $71, 49.864, 100.080$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 57.129, 295.191$, and $22, 56.904, 295.120$ is the 20% darker color. If you saturate the color by 10%, you get $37, 68.321, 297.679$, and if you desaturate by 10%, it is $48, 46.100, 293.022$.

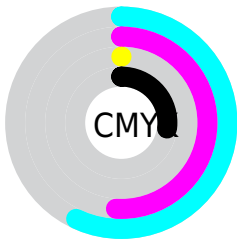
Distribution



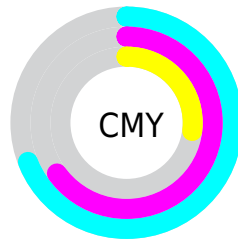
- Red (31%)
- Green (35%)
- Blue (73%)



- Red (31%)
- Yellow (35%)
- Blue (73%)



- Cyan (57%)
- Magenta (51%)
- Yellow (0%)
- Black (27%)




- Cyan (69%)
- Magenta (65%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 57.062, 295.236 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, 57.062, 295.236 by changing the saturation by 10% instead.


 42, 57.062,
295.236


 42, 57.062,
295.236


 100, 57.062,
295.236


 32, 57.062,
295.236

 62, 57.062,
295.236


 22, 57.062,
295.236

 72, 57.062,
295.236

 12, 57.062,
295.236

 82, 57.062,
295.236

 2, 57.062, 295.236

 92, 57.062,
295.236

 0, 57.062, 295.236

 42, 57.062,

 42, 57.062,

295.236

■ 37, 68.321,
297.679

■ 32, 79.548,
300.220

■ 27, 89.990,
302.629

■ 24, 98.400,
304.588

■ 23, 100.490,
305.039

295.236

■ 48, 46.100,
293.022

■ 54, 35.540,
291.080

■ 59, 25.387,
289.408

■ 65, 15.620,
287.979

■ 71, 6.207, 286.769

■ 77, 2.879, 105.676

■ 83, 11.661,
104.808

■ 89, 20.160,
104.042

■ 94, 28.393,
103.376

Harmonies

Complementary

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



42, 57.062, 295.236



71, 49.864, 100.080

Rectangle

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



42, 57.062, 295.236



42, 57.062, 345.236



42, 57.062, 115.236



42, 57.062, 165.236

Sweetspot

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



42, 57.062, 295.237



82, 19.552, 288.045



69, 32.959, 186.644



42, 13.117, 288.312



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, 57.062, 295.237



46, 86.204, 298.269



43, 63.484, 308.991



36, 5.175, 287.057



19, 87.768, 304.823



1, 14.303, 287.352

Inverse Universe

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



48, 46.021, 19.674



57, 68.667, 23.372



70, 57.023, 122.809



36, 4.028, 12.217



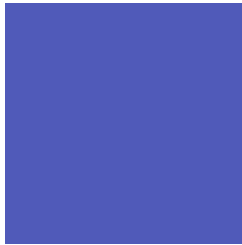
32, 68.255, 35.469



2, 10.707, 13.623

Previews

White Background



This preview shows how the CIE LCh color 42, 57.062, 295.236 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, 57.062, 295.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

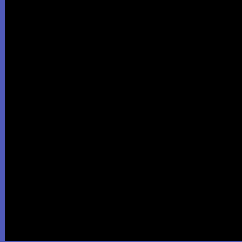
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 57.062, 295.236

Background



This preview shows how black text looks on a background with the CIELCh color 42, 57.062, 295.236.



This preview shows how white text looks on a background with the CIELCh color 42, 57.062, 295.236.

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, 57.062, 295.236

Protanopia

42, 57.403, 286.954

Deuteranopia

42, 47.962, 276.469



Tritanopia
42, 18.441, 214.812

Trichromacy



Original Color
42, 57.062, 295.236

Protanomaly
42, 57.255, 289.354

Deuteranomaly
41, 51.477, 282.105

Tritanomaly
42, 26.193, 267.390

Monochromacy



Original Color
42, 57.062, 295.236

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 21.245, 289.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 57.062, 295.236 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(80, 90, 185)` looks like.

```
.text, #text, p{  
    color:rgb(80, 90, 185)  
}
```

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(80, 90, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 90, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 57.062, 295.236 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(80, 90, 185) }
```

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

```
.border{ border-color:rgb(80, 90, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 90, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 90, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 90, 185);  
box-shadow:4px 4px 4px 4px rgb(80, 90,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 57.062, 295.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 90, 185) }
```

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

```
.background{ background-color: rgb(80, 90,  
185) }
```

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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