

Converting Colors

CIELCh(62, 46.271, 300.699)

Have a look what the booklet for
CIELCh(62, 46.271, 300.699)
contains.

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Color

CIELCh(62, 45.833, 300.742)

Conversions

Conversions Part 1

Format	Color
Hex	9A8BDC
RGB	154, 139, 220
RGB Percent	60%, 55%, 86%
CMY	0.3970, 0.4558, 0.1382
CMYK	0.30, 0.37, 0.00, 0.14
HSL	251°, 53%, 70%
HSV	251°, 37%, 86%
XYZ	35.3685, 30.4025, 71.5456
YIQ	152.7190, -17.0610, 28.3710

Conversions

Conversions Part 2

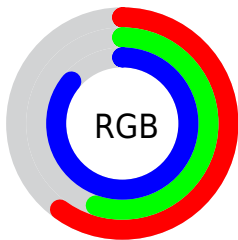
Format	Color
RYB	154, 139, 220
Decimal	10128348
CIELab	62.00, 23.43, -39.39
CIELCh	62, 45.833, 300.742
Yxy	30.4025, 0.2576, 0.2214
Android (android.graphics.Color)	4288318428 (0xFF9A8BDC)
YUV	152.7190, 33.1695, 1.1234
Hunter-Lab	55.1385, 18.0060, -38.3355

Details

The CIELCh color $62, 45.833, 300.742$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $85, 42.023, 114.832$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 33.571, 302.523$, and $42, 46.022, 300.561$ is the 20% darker color. If you saturate the color by 10%, you get $55, 59.328, 301.944$, and if you desaturate by 10%, it is $69, 32.759, 299.668$.

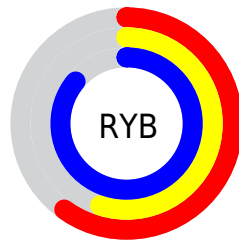
Distribution



Red (60%)

Green (55%)

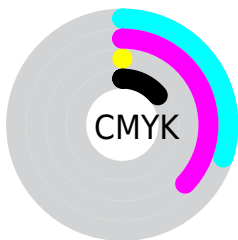
Blue (86%)



Red (60%)

Yellow (55%)

Blue (86%)

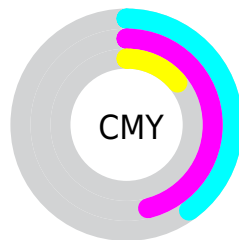


Cyan (30%)

Magenta (37%)

Yellow (0%)

Black (14%)



Cyan (40%)


Magenta (46%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 45.833, 300.742 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 62, 45.833, 300.742 by changing the saturation by 10% instead.


 62, 45.833,
300.742


 62, 45.833,
300.742


 100, 45.833,
300.742


 52, 45.833,
300.742


 82, 45.833,
300.742

 42, 45.833,
300.742

 92, 45.833,
300.742

 32, 45.833,
300.742

 22, 45.833,
300.742

 12, 45.833,
300.742

 2, 45.833, 300.742

 0, 45.833, 300.742

62, 45.833,
300.742

62, 45.833,
300.742

55, 59.328,
301.944

69, 32.759,
299.668

48, 73.086,
303.244

76, 20.163,
298.727

42, 86.713,
304.570

83, 8.044, 297.910

37, 99.414,
305.781

90, 3.617, 117.209

32, 109.857,
306.663

97, 14.845,
116.603

29, 116.533,
306.997

99, 17.821,
108.830

28, 118.136,
307.066

Harmonies

Complementary

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



62, 45.833, 300.742



85, 42.023, 114.832

Rectangle

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



62, 45.833, 300.742



62, 45.833, 350.742



62, 45.833, 120.742



62, 45.833, 170.742

Sweetspot

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



62, 45.832, 300.742



91, 14.691, 298.243



79, 22.178, 219.167



48, 9.896, 298.354



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 45.832, 300.742



65, 62.598, 301.635



66, 48.509, 316.786



42, 6.688, 298.110



21, 98.842, 307.166



2, 29.890, 299.443

Inverse Universe

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



68, 45.778, 332.373



74, 61.098, 332.889



82, 47.101, 133.412



43, 7.038, 330.564



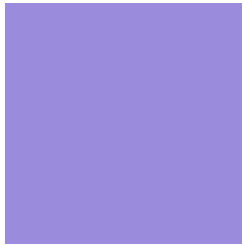
39, 74.992, 337.211



6, 30.336, 335.355

Previews

White Background



This preview shows how the CIELCh color 62, 45.833, 300.742 looks on a white background.

Color Contrast Check

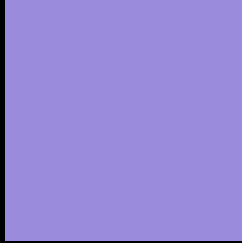
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 62, 45.833, 300.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

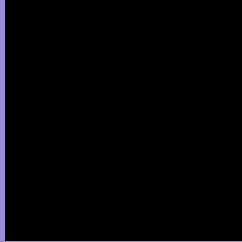
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 45.833, 300.742

Background



This preview shows how black text looks on a background with the CIELCh color 62, 45.833, 300.742.



This preview shows how white text looks on a background with the CIELCh color 62, 45.833, 300.742.

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

62, 45.833, 300.742

Protanopia

62, 45.079, 285.775

Deuteranopia

62, 39.121, 282.508



Tritanopia
62, 7.430, 264.508

Trichromacy



Original Color
62, 45.833, 300.742

Protanomaly
62, 44.877, 291.098

Deuteranomaly
62, 41.536, 289.970

Tritanomaly
62, 20.785, 291.471

Monochromacy



Original Color
62, 45.833, 300.742

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 17.027, 299.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 45.833, 300.742 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(154, 139, 220)` looks like.

```
.text, #text, p{  
    color:rgb(154, 139, 220)  
}
```

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(154, 139, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 139, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 45.833, 300.742 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(154, 139, 220) }
```

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

```
.border{ border-color:rgb(154, 139, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 139, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 139, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 139, 220);  
box-shadow:4px 4px 4px 4px rgb(154, 139,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 45.833, 300.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 139, 220) }
```

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

```
.background{ background-color: rgb(154,  
139, 220) }
```

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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