

Converting Colors

CIELCh(56, 49.562, 301.724)

Have a look what the booklet for
CIELCh(56, 49.562, 301.724)
contains.

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Color

CIELCh(56, 49.602, 301.636)

Conversions

Conversions Part 1

Format	Color
Hex	8B7AD0
RGB	139, 122, 208
RGB Percent	55%, 48%, 82%
CMY	0.4554, 0.5221, 0.1849
CMYK	0.33, 0.41, 0.00, 0.18
HSL	252°, 48%, 65%
HSV	252°, 41%, 82%
XYZ	28.9367, 23.9124, 62.6739
YIQ	136.8870, -17.4740, 30.3500

Conversions

Conversions Part 2

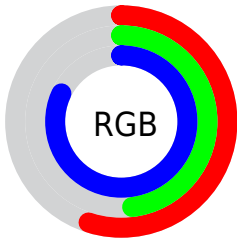
Format	Color
R_{YB}	139, 122, 208
Decimal	9140944
CIE _{Lab}	56.00, 26.02, -42.23
CIE _{LCh}	56, 49.602, 301.636
Yxy	23.9124, 0.2505, 0.2070
Android (android.graphics.Color)	4287331024 (0xFF8B7AD0)
YUV	136.8870, 35.0587, 1.8531
Hunter-Lab	48.9003, 20.0517, -41.7598

Details

The CIELCh color $56, 49.602, 301.636$ is a light color, and the websafe version is hex `6666CC`. A complement of this color would be $80, 44.953, 115.087$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 43.781, 302.318$, and $36, 49.627, 301.520$ is the 20% darker color. If you saturate the color by 10%, you get $50, 62.622, 302.842$, and if you desaturate by 10%, it is $63, 36.922, 300.541$.

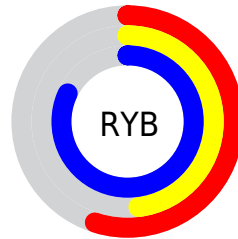
Distribution



Red (55%)

Green (48%)

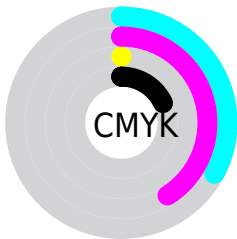
Blue (82%)



Red (55%)

Yellow (48%)

Blue (82%)

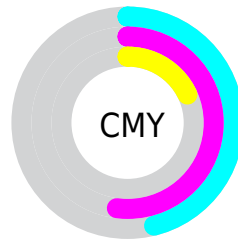


Cyan (33%)

Magenta (41%)

Yellow (0%)

Black (18%)



Cyan (46%)

Magenta (52%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 49.602, 301.636 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 56, 49.602, 301.636 by changing the saturation by 10% instead.


 56, 49.602,
301.636


 56, 49.602,
301.636


 100, 49.602,
301.636


 46, 49.602,
301.636


 76, 49.602,
301.636

 36, 49.602,
301.636

 86, 49.602,
301.636

 26, 49.602,
301.636

 96, 49.602,
301.636

 16, 49.602,
301.636

 6, 49.602, 301.636

 0, 49.602, 301.636

56, 49.602,
301.636

56, 49.602,
301.636

50, 62.622,
302.842

63, 36.922,
300.541

43, 75.749,
304.114

69, 24.674,
299.572

38, 88.467,
305.355

76, 12.880,
298.726

33, 99.814,
306.396

83, 1.528, 297.987

89, 9.402, 117.364

29, 108.382,
307.014

96, 19.936,
116.821

27, 113.098,
307.186

99, 23.802,
108.373

Harmonies

Complementary

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



56, 49.602, 301.636



80, 44.953, 115.087

Rectangle

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



56, 49.602, 301.636



56, 49.602, 351.636



56, 49.602, 121.636



56, 49.602, 171.636

Sweetspot

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



56, 49.601, 301.636



91, 16.074, 298.787



74, 23.337, 219.542



47, 10.688, 298.893



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 49.601, 301.636



61, 71.869, 302.745



60, 52.076, 316.967



40, 6.437, 298.574



21, 96.516, 307.285



2, 25.776, 298.204

Inverse Universe

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



63, 48.471, 333.148



71, 68.037, 333.806



78, 50.394, 133.171



41, 6.707, 330.999



38, 72.697, 337.930



5, 26.706, 335.543

Previews

White Background



This preview shows how the CIELCh color 56, 49.602, 301.636 looks on a white background.

Color Contrast Check

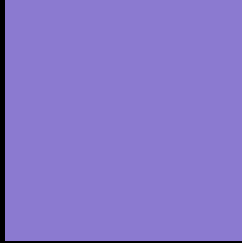
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 49.602, 301.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

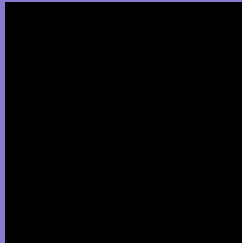
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 49.602, 301.636

Background



This preview shows how black text looks on a background with the CIELCh color 56, 49.602, 301.636.



This preview shows how white text looks on a background with the CIELCh color 56, 49.602, 301.636.

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
56, 7.071, 262.502

Trichromacy



Original Color
56, 49.602, 301.636

Protanomaly
56, 48.605, 291.271

Deuteranomaly
56, 43.548, 288.567

Tritanomaly
56, 21.826, 293.654

Monochromacy



Original Color
56, 49.602, 301.636

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 17.921, 299.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 49.602, 301.636 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(139, 122, 208)` looks like.

```
.text, #text, p{  
    color:rgb(139, 122, 208)  
}
```

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(139, 122, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 122, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 49.602, 301.636 is called "border". The border property can be set on classes, ids or directly on the HTML element.

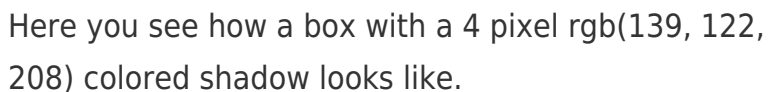
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 122, 208) }
```

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

```
.border{ border-color:rgb(139, 122, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 122, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 122, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 122, 208);  
box-shadow:4px 4px 4px 4px rgb(139, 122,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 49.602, 301.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 122, 208) }
```

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

```
.background{ background-color: rgb(139,  
122, 208) }
```

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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