

# Converting Colors

CIELCh(56, 23.179, 321.271)

Have a look what the booklet for  
CIELCh(56, 23.179, 321.271)  
contains.

<b>CIELCh(56, 23.531, 320.797)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(56, 23.531, 320.797)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A7CA0
RGB	154, 124, 160
RGB Percent	60%, 49%, 63%
CMY	0.3951, 0.5128, 0.3716
CMYK	0.04, 0.22, 0.00, 0.37
HSL	290°, 16%, 56%
HSV	290°, 22%, 63%
XYZ	26.9742, 23.9124, 36.5611
YIQ	137.0740, 6.3240, 17.5560

# Conversions

## Conversions Part 2

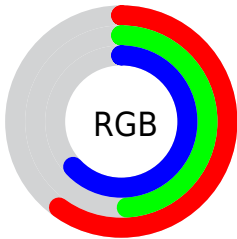
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	154, 124, 160
Decimal	10124448
CIE <sub>Lab</sub>	56.00, 18.23, -14.87
CIE <sub>LCh</sub>	56, 23.531, 320.797
Yxy	23.9124, 0.3085, 0.2734
Android (android.graphics.Color)	4288314528 (0xFF9A7CA0)
YUV	137.0740, 11.3025, 14.8441
Hunter-Lab	48.9003, 12.8879, -10.0989

# Details

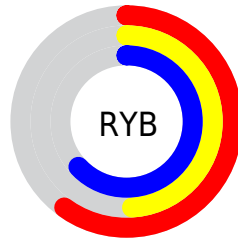
The CIELCh color  $56, 23.531, 320.797$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $63, 23.331, 138.655$ , and the grayscale version is  $57, 0.007, 296.813$ .

A 20% lighter version of the original color is  $76, 23.512, 320.857$ , and  $36, 23.119, 320.643$  is the 20% darker color. If you saturate the color by 10%, you get  $52, 34.073, 321.239$ , and if you desaturate by 10%, it is  $60, 12.979, 320.341$ .

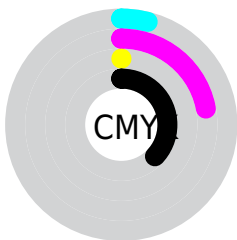
# Distribution



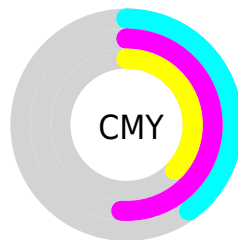
- Red (60%)
- Green (49%)
- Blue (63%)



- Red (60%)
- Yellow (49%)
- Blue (63%)



- Cyan (4%)
- Magenta (22%)
- Yellow (0%)
- Black (37%)




- Cyan (40%)
- Magenta (51%)
- Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 23.531, 320.797 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, 23.531, 320.797 by changing the saturation by 10% instead.





 56, 23.531,  
320.797

 56, 23.531,  
320.797


 100, 23.531,  
320.797


 46, 23.531,  
320.797


 76, 23.531,  
320.797

 36, 23.531,  
320.797

 86, 23.531,  
320.797

 26, 23.531,  
320.797

 96, 23.531,  
320.797

 16, 23.531,  
320.797

 6, 23.531, 320.797

 0, 23.531, 320.797

56, 23.531,  
320.797

56, 23.531,  
320.797

52, 34.073,  
321.239

60, 12.979,  
320.341

48, 44.414,  
321.650

65, 2.554, 319.837

69, 7.664, 139.502

44, 54.267,  
322.005

74, 17.630,  
139.077

41, 63.262,  
322.274

79, 27.319,  
138.685

38, 70.958,  
322.420

83, 36.725,  
138.322

36, 76.913,  
322.406


88, 45.850,  
137.987

34, 80.815,  
322.198

92, 54.702,  
137.679

33, 82.805,

321.957

 93, 55.689,  
137.003

# Harmonies

# Complementary

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



56, 23.531, 320.797



63, 23.331, 138.655

# Rectangle

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



56, 23.531, 320.797



56, 23.531, 10.797



56, 23.531, 140.797



56, 23.531, 190.797

# Sweetspot

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



56, 23.529, 320.797



80, 9.010, 320.091



55, 17.329, 285.181



42, 5.845, 320.117



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



56, 23.529, 320.797



69, 35.171, 321.022



56, 19.565, 337.271



31, 5.806, 320.191



29, 76.091, 322.015



1, 7.475, 318.926



# Inverse Universe

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



56, 15.058, 8.050



69, 22.757, 8.696



63, 19.353, 153.948



31, 3.616, 6.581



29, 61.006, 30.662

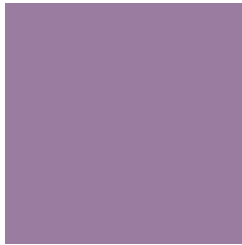


1, 4.603, 6.500



# Previews

## White Background



This preview shows how the CIELCh color 56, 23.531, 320.797 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 CIE LCh color 56, 23.531, 320.797 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

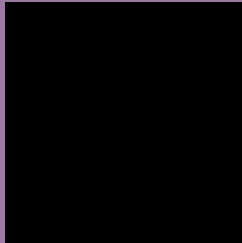
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 56, 23.531, 320.797**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 56, 23.531, 320.797.



This preview shows how white text looks on a background with the CIELCh color 56, 23.531, 320.797.

# 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

56, 23.531, 320.797


### Protanopia

56, 18.958, 286.023

### Deuteranopia

56, 16.197, 298.525





**Tritanopia**  
56, 10.779, 348.646

# Trichromacy



**Original Color**  
56, 23.531, 320.797

**Protanomaly**  
56, 19.716, 299.776

**Deuteranomaly**  
56, 18.040, 308.787

**Tritanomaly**  
56, 14.607, 332.997

# Monochromacy



**Original Color**  
56, 23.531, 320.797

**Achromatopsia**  
57, 0.007, 296.813

**Achromatomaly**  
56, 8.607, 320.552

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 23.531, 320.797 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, 124, 160)` looks like.

```
.text, #text, p{  
    color:rgb(154, 124, 160)  
}
```

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, 124, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 124, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 23.531, 320.797 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, 124, 160) }
```

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

```
.border{ border-color:rgb(154, 124, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 124, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 124, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 124, 160);  
box-shadow:4px 4px 4px 4px rgb(154, 124,  
160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 23.531, 320.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 124, 160) }
```

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

```
.background{ background-color: rgb(154,  
124, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor