

# Converting Colors

CIELCh(55, 65.113, 324.951)

Have a look what the booklet for  
CIELCh(55, 65.113, 324.951)  
contains.

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**Color**

**CIELCh(55, 64.876, 325.061)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BE5EC5
RGB	190, 94, 197
RGB Percent	75%, 37%, 77%
CMY	0.2555, 0.6319, 0.2281
CMYK	0.04, 0.52, 0.00, 0.23
HSL	296°, 47%, 57%
HSV	296°, 52%, 77%
XYZ	35.2452, 22.9298, 55.2983
YIQ	134.4460, 24.1530, 52.3850

# Conversions

## Conversions Part 2

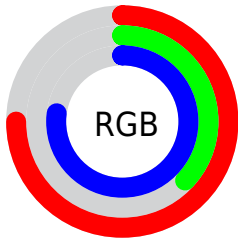
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 94, 197
Decimal	12476101
CIE <sub>Lab</sub>	55.00, 53.18, -37.15
CIE <sub>LCh</sub>	55, 64.876, 325.061
Yxy	22.9298, 0.3106, 0.2021
Android (android.graphics.Color)	4290666181 (0xFFBE5EC5)
YUV	134.4460, 30.8391, 48.7209
Hunter-Lab	47.8851, 47.5837, -34.9492

# Details

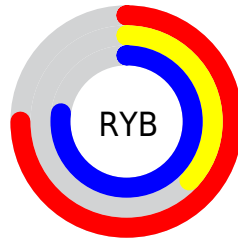
The CIELCh color **55, 64.876, 325.061** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **72, 64.820, 138.777**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 64.859, 325.002**, and **35, 65.196, 324.984** is the 20% darker color. If you saturate the color by 10%, you get **51, 75.148, 325.385**, and if you desaturate by 10%, it is **59, 53.352, 324.659**.

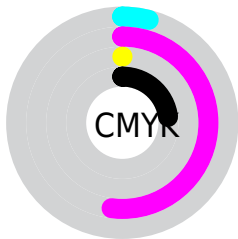
# Distribution



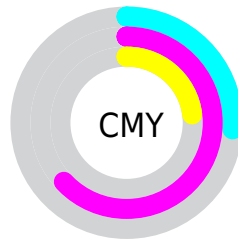
- Red (75%)
- Green (37%)
- Blue (77%)



- Red (75%)
- Yellow (37%)
- Blue (77%)



- Cyan (4%)
- Magenta (52%)
- Yellow (0%)
- Black (23%)




- Cyan (26%)
- Magenta (63%)
- Yellow (23%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 64.876, 325.061 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 55, 64.876, 325.061 by changing the saturation by 10% instead.





 55, 64.876,  
325.061


 55, 64.876,  
325.061


 100, 64.876,  
325.061


 45, 64.876,  
325.061


 75, 64.876,  
325.061

 35, 64.876,  
325.061

 85, 64.876,  
325.061

 25, 64.876,  
325.061

 95, 64.876,  
325.061

 15, 64.876,  
325.061

 5, 64.876, 325.061

 0, 64.876, 325.061

55, 64.876,  
325.061

55, 64.876,  
325.061

51, 75.148,  
325.385

59, 53.352,  
324.659

49, 83.661,  
325.607

63, 41.059,  
324.204

46, 89.962,  
325.705

68, 28.380,  
323.715

45, 93.820,  
325.667

73, 15.602,  
323.208

44, 95.484,  
325.565

78, 2.921, 322.640

83, 9.534, 142.256

89, 21.687,  
141.768

94, 33.498,  
141.313

■ 95, 35.444,  
140.747

# Harmonies

# Complementary

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



55, 64.876, 325.061



72, 64.820, 138.777

# Rectangle

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



55, 64.876, 325.061



55, 64.876, 15.061



55, 64.876, 145.061



55, 64.876, 195.061

# Sweetspot

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



55, 64.874, 325.061



90, 25.053, 323.409



47, 55.654, 294.768



47, 16.929, 323.515



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



55, 64.874, 325.061



65, 93.186, 325.429



54, 49.988, 344.406



39, 7.229, 323.056



37, 83.082, 325.600



4, 25.969, 324.261



# Inverse Universe

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



53, 44.613, 20.666



62, 67.424, 23.784



72, 48.550, 154.075



39, 4.289, 14.423



34, 71.972, 36.960



3, 15.928, 15.881



# Previews

## White Background



This preview shows how the CIELCh color 55, 64.876, 325.061 looks on a white background.

## Color Contrast Check

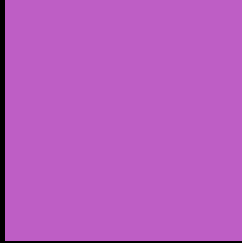
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 64.876, 325.061 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

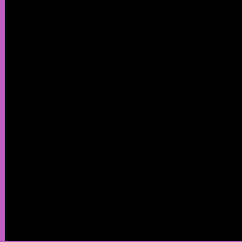
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 55, 64.876, 325.061

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 64.876, 325.061.

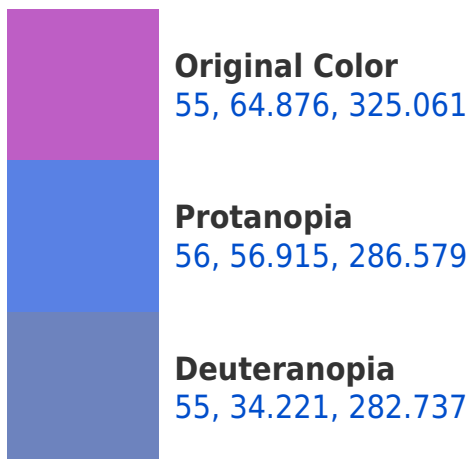


This preview shows how white text looks on a background with the CIELCh color 55, 64.876, 325.061.

# 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**  
55, 28.341, 13.788

# Trichromacy



**Original Color**  
55, 64.876, 325.061



**Protanomaly**  
54, 58.233, 299.467



**Deuteranomaly**  
54, 43.918, 303.949



**Tritanomaly**  
55, 38.181, 344.939

# Monochromacy



**Original Color**  
55, 64.876, 325.061



**Achromatopsia**  
56, 0.007, 296.813



**Achromatomaly**  
55, 25.526, 323.471

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 64.876, 325.061 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(190, 94, 197)` looks like.

```
.text, #text, p{  
    color:rgb(190, 94, 197)  
}
```

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(190, 94, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 94, 197) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 64.876, 325.061 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(190, 94, 197) }
```

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

```
.border{ border-color:rgb(190, 94, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 94, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 94, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 94, 197);  
box-shadow:4px 4px 4px 4px rgb(190, 94,  
197) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 64.876, 325.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 94, 197) }
```

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

```
.background{ background-color: rgb(190, 94,  
197) }
```

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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