

# Converting Colors

XYZ(64.1644, 57.0661,  
111.5989)

Have a look what the booklet for  
XYZ(64.1644, 57.0661, 111.5989)  
contains.

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# Color

**XYZ(62.3987, 56.4623,  
102.2173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2BBFF
RGB	210, 187, 255
RGB Percent	82%, 73%, 100%
CMY	0.1765, 0.2666, 0.0000
CMYK	0.18, 0.27, 0.00, 0.00
HSL	260°, 100%, 87%
HSV	260°, 27%, 100%
XYZ	62.3987, 56.4623, 102.2173
YIQ	201.6290, -8.1200, 26.0240

# Conversions

## Conversions Part 2

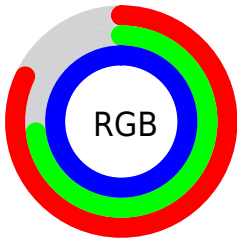
Format	Color
R <sub>Y</sub> B	210, 187, 255
Decimal	13810687
CIE Lab	79.88, 21.30, -30.53
CIE LCh	80, 37.225, 304.903
Yxy	56.4623, 0.2822, 0.2554
Android (android.graphics.Color)	4292000767 (0xFFD2BBFF)
YUV	201.6290, 26.3119, 7.3414
Hunter-Lab	75.1414, 16.7320, -28.0551

# Details

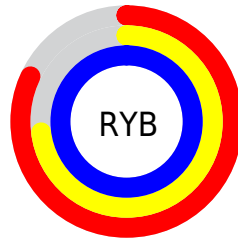
The XYZ color **62.3987, 56.4623, 102.2173** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.0094, 92.2641, 60.7134**, and the grayscale version is **55.7545, 58.6581, 63.8787**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **32.2357, 28.0960, 57.1501** is the 20% darker color. If you saturate the color by 10%, you get **52.9081, 44.2406, 100.3585**, and if you desaturate by 10%, it is **73.3598, 70.8706, 104.4207**.

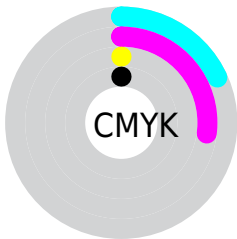
# Distribution



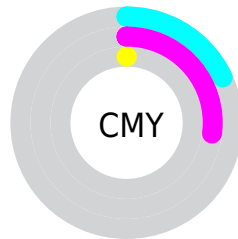
- Red (82%)
- Green (73%)
- Blue (100%)



- Red (82%)
- Yellow (73%)
- Blue (100%)



- Cyan (18%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3987, 56.4623, 102.2173 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 XYZ color 62.3987, 56.4623, 102.2173 by changing the saturation by 10% instead.



■ 62.3987, 56.4623,  
102.2173

■ 62.3987, 56.4623,  
102.2173

423.0784,  
411.4314, 588.5857

■ 45.6118, 40.5737,  
77.5264

■ 107.3882, 99.6802,  
166.2793

■ 32.1429, 27.9861,  
57.1709

136.3216,  
127.7783, 206.4875

■ 21.6267, 18.3152,  
40.7322

170.0344,  
160.7149, 252.7053

■ 13.6980, 11.1765,  
27.7918

208.8920,  
198.8746, 305.3511

■ 7.9912, 6.1857,  
17.9311

253.2599,  
242.6417, 364.8435

■ 4.1411, 2.9583,  
10.7316

303.5034,

■ 1.7822, 1.1100,

292.4006, 431.6010

5.7747

359.9877,  
348.5357, 506.0422

■ 0.5069, 0.0000,  
2.6420

■ 0.0000, 0.0000,  
0.9140

■ 62.3987, 56.4623,  
102.2173

■ 62.3987, 56.4623,  
102.2173

■ 52.9081, 44.2406,  
100.3585

■ 73.3598, 70.8706,  
104.4207

■ 44.8164, 34.0891,  
98.8255

■ 85.8483, 87.5605,  
106.9839

■ 38.0536, 25.8906,  
97.5995

95.0500, 100.0000,  
108.9000

■ 32.5406, 19.5130,  
96.6591

■ 28.1893, 14.8074,  
95.9801

■ 24.8984, 11.5998,  
95.5344

■ 22.5437, 9.6736,  
95.2868

■ 21.9107, 9.2103,  
95.2307

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.9149, 56.4623, 112.8372



62.3987, 56.4623, 102.2173



67.8990, 56.4623, 80.8298

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.3987, 56.4623, 102.2173



60.0547, 56.4623, 31.0150



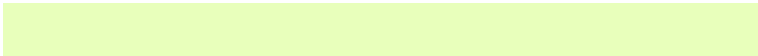
40.4748, 56.4623, 65.0966

# Complementary

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



62.3987, 56.4623, 102.2173



78.0094, 92.2641, 60.7134

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



41.5750, 56.4623, 45.4910



62.3987, 56.4623, 102.2173



52.4357, 56.4623, 28.6873

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.3987, 56.4623, 102.2173



66.4593, 56.4623, 40.6438



45.7881, 56.4623, 33.3196



42.6293, 56.4623, 88.4362



# Rectangle

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



62.3987, 56.4623, 102.2173



69.4451, 56.4623, 65.2417



45.7881, 56.4623, 33.3196



40.4783, 56.4623, 57.8616

# Sweetspot

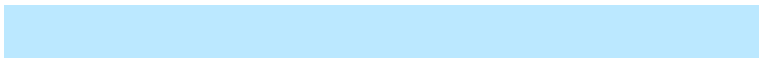
The Sweet Spot groups the original color and five complimentary colors.



62.4004, 56.4645, 102.2176



84.0905, 85.1967, 106.6203



67.4955, 75.6872, 105.6594



17.5820, 17.6763, 22.7351



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



62.4004, 56.4645, 102.2176



57.1577, 49.6783, 101.1841



73.0142, 61.9362, 102.7144



17.5820, 17.6763, 22.7351



11.5908, 4.8858, 49.7667



1.2396, 0.5330, 4.8508



# Inverse Universe

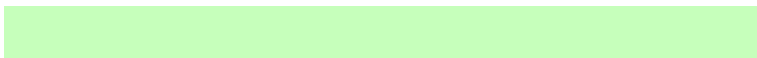
The Inverse Universe completely reimagines the original color for something new.



73.5770, 62.6288, 84.5558



70.1808, 56.8690, 80.2409



68.1077, 87.1597, 60.2500



18.5162, 18.1898, 21.3356



25.3511, 12.6297, 21.0313

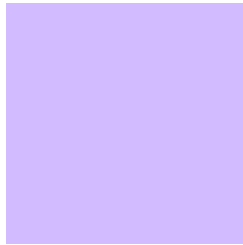


2.5194, 1.2501, 2.3167



# Previews

## White Background



This preview shows how the XYZ color 62.3987, 56.4623, 102.2173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

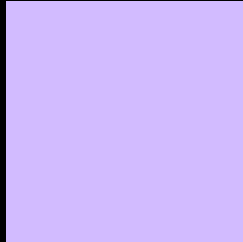
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.3987, 56.4623, 102.2173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

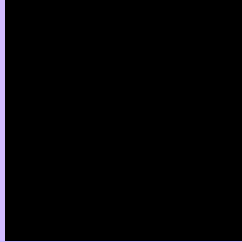
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.3987, 56.4623, 102.2173**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3987, 56.4623, 102.2173.



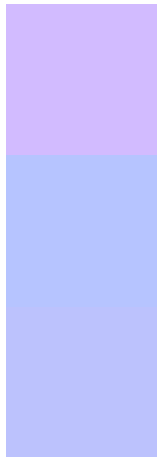
This preview shows how white text looks on a background with the XYZ color 62.3987, 56.4623,



# 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

62.3987, 56.4623, 102.2173

### Protanopia

57.0813, 56.6449, 102.5328

### Deuteranopia

57.7604, 56.3668, 100.7641



## Tritanopia

55.6301, 56.2899, 69.5610

# Trichromacy



**Original Color**

62.3987, 56.4623, 102.2173

**Protanomaly**

58.8582, 56.5664, 102.4240

**Deuteranomaly**

59.2851, 56.1531, 101.4799

**Tritanomaly**

57.8916, 56.2245, 80.4742

# Monochromacy



**Original Color**

62.3987, 56.4623, 102.2173

**Achromatopsia**

56.1383, 59.0619, 64.3184

**Achromatomaly**

58.1942, 58.1321, 76.5601

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3987, 56.4623, 102.2173 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(210, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 187, 255)  
}
```

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(210, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 187, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3987, 56.4623, 102.2173 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(210, 187, 255) }
```



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

```
.border{ border-color:rgb(210, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 187,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3987, 56.4623, 102.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 187, 255) }
```

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

```
.background{ background-color: rgb(210,  
187, 255) }
```

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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