

Converting Colors

XYZ(64.7125, 57.4929,
111.3811)

Have a look what the booklet for
XYZ(64.7125, 57.4929, 111.3811)
contains.

XYZ(62.9717, 56.7577, 102.2441)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(62.9717, 56.7577,
102.2441)**

Conversions

Conversions Part 1

Format	Color
Hex	D4BBFF
RGB	212, 187, 255
RGB Percent	83%, 73%, 100%
CMY	0.1686, 0.2666, 0.0000
CMYK	0.17, 0.27, 0.00, 0.00
HSL	262°, 100%, 87%
HSV	262°, 27%, 100%
XYZ	62.9717, 56.7577, 102.2441
YIQ	202.2270, -6.9280, 26.4480

Conversions

Conversions Part 2

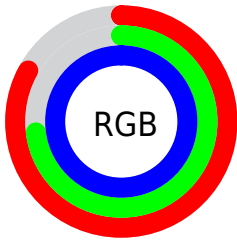
Format	Color
R _Y B	212, 187, 255
Decimal	13941759
CIE Lab	80.04, 21.91, -30.26
CIE LCh	80, 37.356, 305.904
Yxy	56.7577, 0.2837, 0.2557
Android (android.graphics.Color)	4292131839 (0xFFD4BBFF)
YUV	202.2270, 26.0171, 8.5709
Hunter-Lab	75.3377, 17.3598, -27.7287

Details

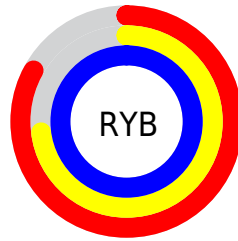
The XYZ color **62.9717, 56.7577, 102.2441** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.3639, 91.9314, 60.6832**, and the grayscale version is **56.1280, 59.0510, 64.3065**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **32.6228, 28.2955, 57.1683** is the 20% darker color. If you saturate the color by 10%, you get **53.6163, 44.6057, 100.3916**, and if you desaturate by 10%, it is **73.7552, 71.0744, 104.4392**.

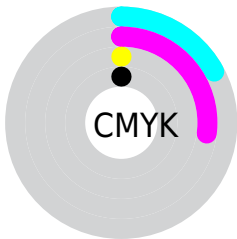
Distribution



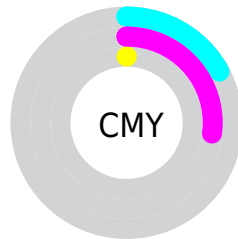
- Red (83%)
- Green (73%)
- Blue (100%)



- Red (83%)
- Yellow (73%)
- Blue (100%)



- Cyan (17%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9717, 56.7577, 102.2441 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 62.9717, 56.7577, 102.2441 by changing the saturation by 10% instead.

62.9717, 56.7577,
102.2441

62.9717, 56.7577,
102.2441

425.1281,
412.5408, 588.6718

46.0769, 40.8107,
77.5487

108.2107,
100.1116, 166.3164

32.5114, 28.1712,
57.1891

137.2856,
128.2872, 206.5304

21.9098, 18.4548,
40.7467

171.1513,
161.3079, 252.7543

13.9069, 11.2770,
27.8030

210.1730,
199.5581, 305.4066

8.1372, 6.2535,
17.9395

254.7162,
243.4220, 364.9060

4.2354, 2.9998,
10.7375

305.1462,

1.8362, 1.1316,

293.2842, 431.6710

5.7787

361.8284,
349.5290, 506.1201

■ 0.5393, 0.0048,
2.6444

■ 0.0000, 0.0000,
0.9152

■ 62.9717, 56.7577,
102.2441

■ 62.9717, 56.7577,
102.2441

■ 53.6163, 44.6057,
100.3916

■ 73.7552, 71.0744,
104.4392

■ 45.6196, 34.5032,
98.8631

■ 86.0218, 87.6500,
106.9920

■ 38.9135, 26.3339,
97.6397

95.0500, 100.0000,
108.9000

■ 33.4217, 19.9673,
96.7003

■ 29.0586, 15.2555,
96.0208

■ 25.7256, 12.0262,
95.5732

■ 23.3018, 10.0644,
95.3222

■ 22.6404, 9.5864,
95.2648

Harmonies

Analogous

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



55.4627, 56.7577, 113.4348



62.9717, 56.7577, 102.2441



68.4059, 56.7577, 80.4956

Triad

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



62.9717, 56.7577, 102.2441



60.1310, 56.7577, 30.9427



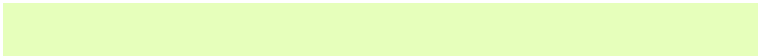
40.6851, 56.7577, 66.2022

Complementary

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



62.9717, 56.7577, 102.2441



77.3639, 91.9314, 60.6832

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.



41.6833, 56.7577, 46.2486



62.9717, 56.7577, 102.2441



52.4582, 56.7577, 28.8344

Square

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



62.9717, 56.7577, 102.2441



66.6611, 56.7577, 40.3743



45.8276, 56.7577, 33.7355



42.9610, 56.7577, 89.7140

Rectangle

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



62.9717, 56.7577, 102.2441



69.8632, 56.7577, 64.8352



45.8276, 56.7577, 33.7355



40.6518, 56.7577, 58.8600

Sweetspot

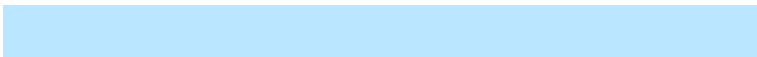
The Sweet Spot groups the original color and five complimentary colors.



62.9734, 56.7600, 102.2445



84.2962, 85.3028, 106.6299



66.8604, 74.4170, 105.4477



17.6336, 17.7029, 22.7376



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.



62.9734, 56.7600, 102.2445



57.8080, 50.0135, 101.2145



73.8041, 62.3434, 102.7513



17.6336, 17.7029, 22.7376



11.9798, 5.0863, 49.7849



1.2818, 0.5547, 4.8528

Inverse Universe

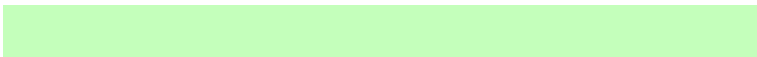
The Inverse Universe completely reimagines the original color for something new.



73.2945, 62.5158, 83.0681



69.8510, 56.7370, 78.5042



67.5134, 86.8533, 60.2222



18.4927, 18.1804, 21.2119



24.9962, 12.4878, 19.1623



2.4865, 1.2370, 2.1432

Previews

White Background



This preview shows how the XYZ color 62.9717, 56.7577, 102.2441 looks on a white background.

Color Contrast Check

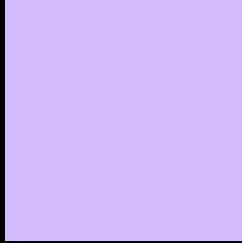
Large Text (above 18pt) WCAG AA × Fail

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 62.9717, 56.7577, 102.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

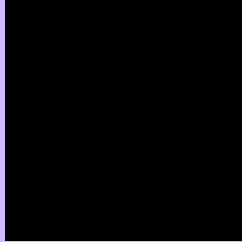
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.9717, 56.7577, 102.2441

Background



This preview shows how black text looks on a background with the XYZ color 62.9717, 56.7577, 102.2441.

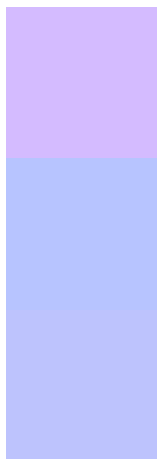


This preview shows how white text looks on a background with the XYZ color 62.9717, 56.7577,

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

62.9717, 56.7577, 102.2441

Protanopia

57.3184, 56.7671, 102.5439

Deuteranopia

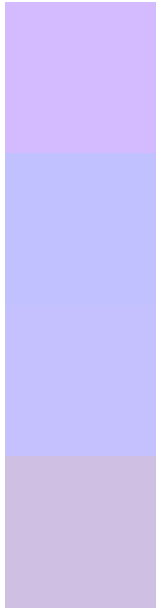
58.2310, 56.9409, 100.8501



Tritanopia

56.1748, 56.5707, 69.5865

Trichromacy



Original Color

62.9717, 56.7577, 102.2441

Protanomaly

59.3681, 56.8293, 102.4479

Deuteranomaly

59.7650, 56.7253, 101.5651

Tritanomaly

58.4469, 56.5107, 80.5002

Monochromacy



Original Color

62.9717, 56.7577, 102.2441

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

58.4710, 58.2748, 76.5730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9717, 56.7577, 102.2441 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(212, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 187, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.9717, 56.7577, 102.2441 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(212, 187, 255) }
```


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

```
.border{ border-color:rgb(212, 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(212, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 187,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9717, 56.7577, 102.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 187, 255) }
```

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

```
.background{ background-color: rgb(212,  
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](#).

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