

Converting Colors

XYZ(74.3368, 65.4819,
133.9917)

Have a look what the booklet for
XYZ(74.3368, 65.4819, 133.9917)
contains.

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Color

**XYZ(68.6755, 63.2961,
103.2055)**

Conversions

Conversions Part 1

Format	Color
Hex	DFC6FF
RGB	223, 198, 255
RGB Percent	87%, 78%, 100%
CMY	0.1255, 0.2235, 0.0000
CMYK	0.13, 0.22, 0.00, 0.00
HSL	266°, 100%, 89%
HSV	266°, 22%, 100%
XYZ	68.6755, 63.2961, 103.2055
YIQ	211.9730, -3.3970, 23.0270

Conversions

Conversions Part 2

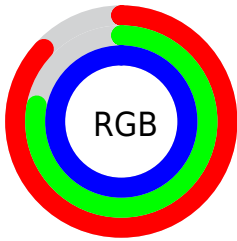
Format	Color
R_{YB}	223, 198, 255
Decimal	14665471
CIE _{Lab}	83.60, 19.37, -24.74
CIE _{LCh}	84, 31.419, 308.052
Yxy	63.2961, 0.2920, 0.2691
Android (android.graphics.Color)	4292855551 (0xFFDFC6FF)
YUV	211.9730, 21.2123, 9.6707
Hunter-Lab	79.5588, 14.8539, -21.2211

Details

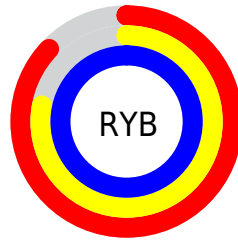
The XYZ color **68.6755, 63.2961, 103.2055** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.5875, 92.4208, 67.1259**, and the grayscale version is **62.4281, 65.6792, 71.5247**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1027, 32.2392, 57.7461** is the 20% darker color. If you saturate the color by 10%, you get **59.1046, 50.4271, 101.2260**, and if you desaturate by 10%, it is **79.6042, 78.3248, 105.5304**.

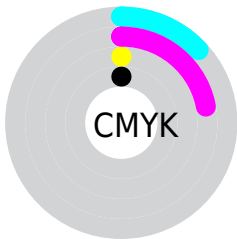
Distribution



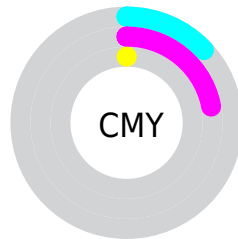
- Red (87%)
- Green (78%)
- Blue (100%)



- Red (87%)
- Yellow (78%)
- Blue (100%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6755, 63.2961, 103.2055 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 68.6755, 63.2961, 103.2055 by changing the saturation by 10% instead.

68.6755, 63.2961,
103.2055

68.6755, 63.2961,
103.2055

445.2249,
436.6433, 591.7559

50.7232, 46.0808,
78.3485

116.3546,
109.5966, 167.6455

36.2085, 32.3096,
57.8422

146.8120,
139.4505, 208.0656

24.7661, 21.5981,
41.2679

182.1686,
174.2862, 254.5105

16.0307, 13.5619,
28.2072

222.7895,
214.4879, 307.3988

9.6369, 7.8166,
18.2415

269.0403,
260.4401, 367.1489

5.2193, 3.9778,
10.9523

321.2862,

2.4126, 1.6612,

312.5271, 434.1794

5.9210

379.8927,
371.1334, 508.9089

■ 0.8514, 0.3983,
2.7291

■ 0.0000, 0.0000,
0.9580

■ 68.6755, 63.2961,
103.2055

■ 68.6755, 63.2961,
103.2055

■ 59.1046, 50.4271,
101.2260

■ 79.6042, 78.3248,
105.5304

■ 50.8278, 39.6073,
99.5738

■ 91.9397, 95.6015,
108.2149

■ 43.7840, 30.7276,
98.2311

95.0500, 100.0000,
108.9000

■ 37.9045, 23.6654,
97.1778

■ 33.1130, 18.2836,
96.3916

■ 29.3226, 14.4245,
95.8465

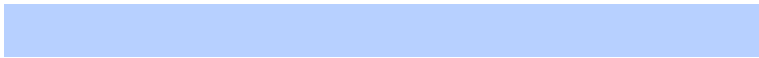
■ 26.4300, 11.8986,
95.5114

■ 24.7119, 10.6543,
95.3618

Harmonies

Analogous

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



62.0303, 63.2961, 113.5706



68.6755, 63.2961, 103.2055



73.2631, 63.2961, 84.0470

Triad

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



68.6755, 63.2961, 103.2055



65.2344, 63.2961, 39.4488



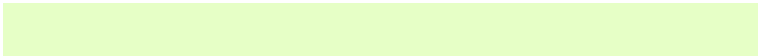
48.0072, 63.2961, 74.3545

Complementary

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



68.6755, 63.2961, 103.2055



78.5875, 92.4208, 67.1259

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.



48.7223, 63.2961, 55.7243



68.6755, 63.2961, 103.2055



58.3298, 63.2961, 37.8382

Square

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



68.6755, 63.2961, 103.2055



71.1734, 63.2961, 48.1323



52.3811, 63.2961, 43.2157



50.3476, 63.2961, 94.9643

Rectangle

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



68.6755, 63.2961, 103.2055



74.3515, 63.2961, 70.2126



52.3811, 63.2961, 43.2157



47.9018, 63.2961, 67.6407

Sweetspot

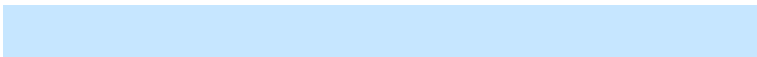
The Sweet Spot groups the original color and five complimentary colors.



68.6773, 63.2987, 103.2059



86.0264, 87.2839, 106.9211



69.7209, 75.9883, 105.6003



18.2538, 18.4590, 22.8508



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.



68.6773, 63.2987, 103.2059



64.0621, 57.0529, 102.2436



78.1010, 68.1568, 103.6469



17.7590, 17.7675, 22.7434



13.0770, 5.6519, 49.8363



1.3961, 0.6136, 4.8581

Inverse Universe

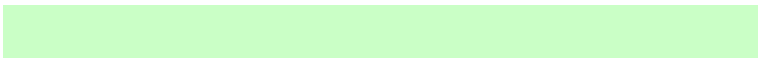
The Inverse Universe completely reimagines the original color for something new.



75.7184, 67.3636, 83.8763



72.3943, 61.8665, 79.2192



70.2578, 88.1267, 66.7361



18.4365, 18.1579, 20.9156



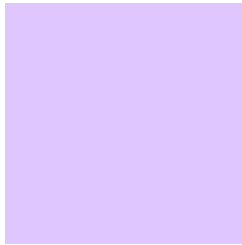
24.2221, 12.1781, 15.0860



2.4134, 1.2077, 1.7582

Previews

White Background



This preview shows how the XYZ color 68.6755, 63.2961, 103.2055 looks on a white background.

Color Contrast Check

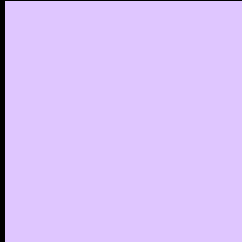
Large Text (above 18pt) WCAG AA × Fail

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 68.6755, 63.2961, 103.2055 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 68.6755, 63.2961, 103.2055

Background



This preview shows how black text looks on a background with the XYZ color 68.6755, 63.2961, 103.2055.

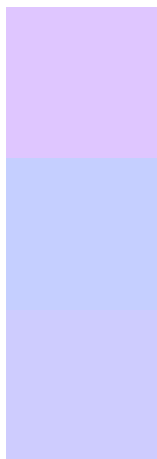


This preview shows how white text looks on a background with the XYZ color 68.6755, 63.2961,

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

68.6755, 63.2961, 103.2055

Protanopia

63.3888, 63.7160, 103.5652

Deuteranopia

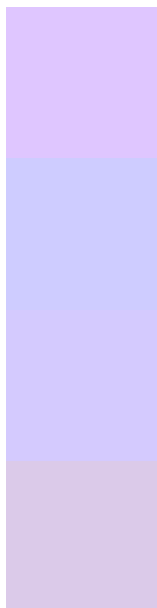
64.9359, 63.4633, 102.5931



Tritanopia

63.1264, 63.1048, 76.5635

Trichromacy



Original Color

68.6755, 63.2961, 103.2055

Protanomaly

65.0965, 63.5275, 103.4388

Deuteranomaly

66.1613, 63.3939, 102.5151

Tritanomaly

65.0419, 63.1843, 85.8585

Monochromacy



Original Color

68.6755, 63.2961, 103.2055

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.6353, 64.8260, 82.5048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6755, 63.2961, 103.2055 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(223, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 198, 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(223, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 198, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.6755, 63.2961, 103.2055 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(223, 198, 255) }
```


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

```
.border{ border-color:rgb(223, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 198,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6755, 63.2961, 103.2055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 198, 255) }
```

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

```
.background{ background-color: rgb(223,  
198, 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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