

Converting Colors

XYZ(92.9442, 73.4000,
231.5911)

Have a look what the booklet for
XYZ(92.9442, 73.4000, 231.5911)
contains.

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Color

**XYZ(68.5976, 63.5964,
103.2676)**

Conversions

Conversions Part 1

Format	Color
Hex	DEC7FF
RGB	222, 199, 255
RGB Percent	87%, 78%, 100%
CMY	0.1294, 0.2196, 0.0000
CMYK	0.13, 0.22, 0.00, 0.00
HSL	265°, 100%, 89%
HSV	265°, 22%, 100%
XYZ	68.5976, 63.5964, 103.2676
YIQ	212.2610, -4.2680, 22.2920

Conversions

Conversions Part 2

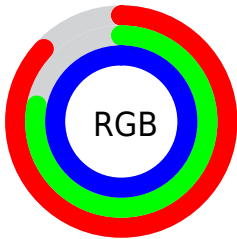
Format	Color
R_{YB}	222, 199, 255
Decimal	14600191
CIE _{Lab}	83.76, 18.52, -24.51
CIE _{LCh}	84, 30.719, 307.073
Yxy	63.5964, 0.2913, 0.2701
Android (android.graphics.Color)	4292790271 (0xFFDEC7FF)
YUV	212.2610, 21.0703, 8.5411
Hunter-Lab	79.7474, 13.9854, -20.9535

Details

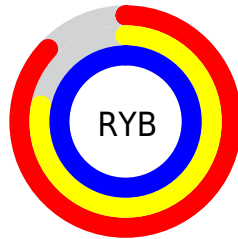
The XYZ color **68.5976, 63.5964, 103.2676** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.3489, 92.8000, 67.7658**, and the grayscale version is **62.6207, 65.8819, 71.7453**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0443, 32.4350, 57.7869** is the 20% darker color. If you saturate the color by 10%, you get **58.8158, 50.5629, 101.2674**, and if you desaturate by 10%, it is **79.7763, 78.8126, 105.6154**.

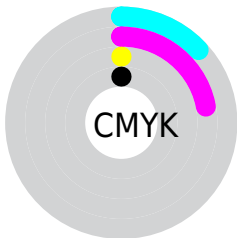
Distribution



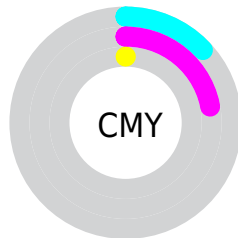
- Red (87%)
- Green (78%)
- Blue (100%)



- 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 68.5976, 63.5964, 103.2676 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 68.5976, 63.5964, 103.2676 by changing the saturation by 10% instead.

68.5976, 63.5964,
103.2676

68.5976, 63.5964,
103.2676

444.9540,
437.7307, 591.9548

50.6595, 46.3239,
78.4002

116.2439,
110.0295, 167.7313

36.1576, 32.5015,
57.8844

146.6828,
139.9588, 208.1647

24.7266, 21.7448,
41.3016

182.0193,
174.8759, 254.6239

16.0012, 13.6695,
28.2334

222.6188,
215.1650, 307.5273

9.6158, 7.8912,
18.2611

268.8467,
261.2107, 367.2936

5.2053, 4.0254,
10.9662

321.0683,

2.4042, 1.6878,

313.3973, 434.3412

5.9302

379.6490,
372.1091, 509.0888

■ 0.8472, 0.4157,
2.7346

■ 0.0000, 0.0000,
0.9608

■ 68.5976, 63.5964,
103.2676

■ 68.5976, 63.5964,
103.2676

■ 58.8158, 50.5629,
101.2674

■ 79.7763, 78.8126,
105.6154

■ 50.3658, 39.6010,
99.5969

■ 92.4024, 96.3001,
108.3254

■ 43.1852, 30.6012,
98.2383

95.0500, 100.0000,
108.9000

■ 37.2039, 23.4406,
97.1714

■ 32.3443, 17.9817,
96.3738

■ 28.5179, 14.0670,
95.8199

■ 25.6202, 11.5073,
95.4785

■ 23.8440, 10.2069,
95.3212

Harmonies

Analogous

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



62.0559, 63.5964, 112.9781



68.5976, 63.5964, 103.2676



73.1807, 63.5964, 84.7280

Triad

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



68.5976, 63.5964, 103.2676



65.6349, 63.5964, 40.3866



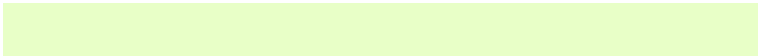
48.4798, 63.5964, 73.9158

Complementary

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



68.5976, 63.5964, 103.2676



79.3489, 92.8000, 67.7658

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.



49.2825, 63.5964, 55.7745



68.5976, 63.5964, 103.2676



58.8651, 63.5964, 38.5658

Square

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



68.5976, 63.5964, 103.2676



71.3834, 63.5964, 49.2004



52.9681, 63.5964, 43.6608



50.6879, 63.5964, 94.1075

Rectangle

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



68.5976, 63.5964, 103.2676



74.3299, 63.5964, 71.1573



52.9681, 63.5964, 43.6608



48.4093, 63.5964, 67.3686

Sweetspot

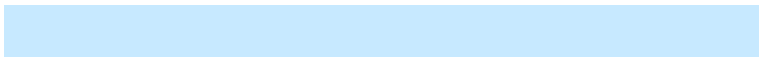
The Sweet Spot groups the original color and five complimentary colors.



68.5994, 63.5990, 103.2680



85.8530, 87.1945, 106.9130



70.6308, 77.4154, 105.8278



18.2136, 18.4384, 22.8489



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.



68.5994, 63.5990, 103.2680



64.4813, 58.0745, 102.4187



77.6843, 68.2824, 103.6932



17.7096, 17.7420, 22.7411



12.6184, 5.4155, 49.8148



1.3490, 0.5893, 4.8559

Inverse Universe

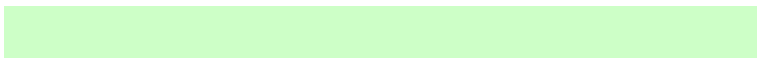
The Inverse Universe completely reimagines the original color for something new.



76.2303, 67.9354, 85.4408



73.3448, 63.1149, 81.5484



71.1371, 88.5667, 67.3815



18.4585, 18.1667, 21.0317



24.5127, 12.2944, 16.6162



2.4410, 1.2188, 1.9039

Previews

White Background



This preview shows how the XYZ color 68.5976, 63.5964, 103.2676 looks on a white background.

Color Contrast Check

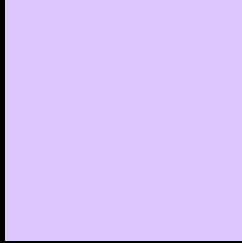
Large Text (above 18pt) WCAG AA × Fail

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 68.5976, 63.5964, 103.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

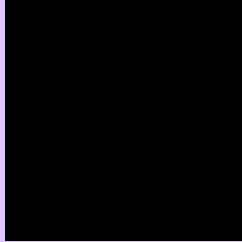
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5976, 63.5964, 103.2676

Background



This preview shows how black text looks on a background with the XYZ color 68.5976, 63.5964, 103.2676.

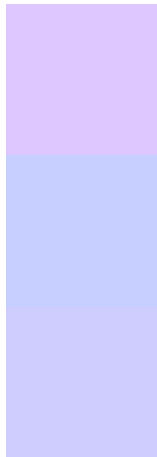


This preview shows how white text looks on a background with the XYZ color 68.5976, 63.5964,

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

68.5976, 63.5964, 103.2676

Protanopia

63.6515, 63.8514, 103.5775

Deuteranopia

65.2144, 63.6069, 102.6061



Tritanopia

63.2014, 63.4820, 77.3288

Trichromacy



Original Color

68.5976, 63.5964, 103.2676

Protanomaly

65.3750, 63.6711, 103.4519

Deuteranomaly

66.1613, 63.3939, 102.5151

Tritanomaly

64.9774, 63.5005, 85.9229

Monochromacy



Original Color

68.5976, 63.5964, 103.2676

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 68.5976, 63.5964, 103.2676 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(222, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 199, 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(222, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.5976, 63.5964, 103.2676 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(222, 199, 255) }
```


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

```
.border{ border-color:rgb(222, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5976, 63.5964, 103.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 199, 255) }
```

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

```
.background{ background-color: rgb(222,  
199, 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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