

Converting Colors

XYZ(69.6245, 63.6890,
128.4063)

Have a look what the booklet for
XYZ(69.6245, 63.6890, 128.4063)
contains.

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Color

**XYZ(64.7679, 61.6222,
103.0884)**

Conversions

Conversions Part 1

Format	Color
Hex	D1C7FF
RGB	209, 199, 255
RGB Percent	82%, 78%, 100%
CMY	0.1804, 0.2196, 0.0000
CMYK	0.18, 0.22, 0.00, 0.00
HSL	251°, 100%, 89%
HSV	251°, 22%, 100%
XYZ	64.7679, 61.6222, 103.0884
YIQ	208.3740, -12.0160, 19.5360

Conversions

Conversions Part 2

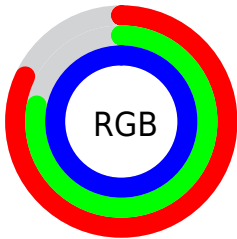
Format	Color
R _Y B	209, 199, 255
Decimal	13748223
CIE _{Lab}	82.71, 14.51, -26.19
CIE _{LCh}	83, 29.943, 298.980
Y _{xy}	61.6222, 0.2822, 0.2685
Android (android.graphics.Color)	4291938303 (0xFFD1C7FF)
Y _{UV}	208.3740, 22.9866, 0.5490
Hunter-Lab	78.4998, 9.9005, -22.9116

Details

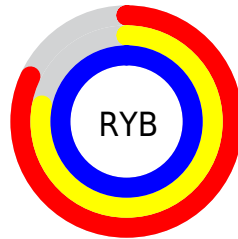
The XYZ color **64.7679, 61.6222, 103.0884** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.7263, 95.0566, 67.9706**, and the grayscale version is **60.0595, 63.1872, 68.8109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6449, 31.1980, 57.6746** is the 20% darker color. If you saturate the color by 10%, you get **53.8432, 47.9994, 101.0347**, and if you desaturate by 10%, it is **77.4584, 77.6176, 105.5069**.

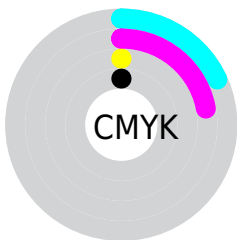
Distribution



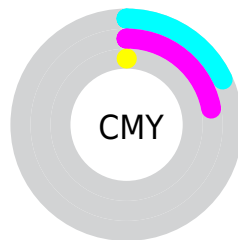
- Red (82%)
- Green (78%)
- Blue (100%)



- Red (82%)
- Yellow (78%)
- Blue (100%)



- Cyan (18%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7679, 61.6222, 103.0884 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 64.7679, 61.6222, 103.0884 by changing the saturation by 10% instead.

64.7679, 61.6222,
103.0884

64.7679, 61.6222,
103.0884

431.5158,
430.5517, 591.3807

47.5369, 44.7275,
78.2511

110.7837,
107.1793, 167.4837

33.6700, 31.2428,
57.7626

140.2992,
136.6105, 207.8787

22.8019, 20.7838,
41.2044

174.6402,
170.9894, 254.2968

14.5672, 12.9661,
28.1579

214.1721,
210.7002, 307.1563

8.6005, 7.4052,
18.2046

259.2603,
256.1275, 366.8760

4.5366, 3.7168,
10.9261

310.2700,

2.0099, 1.5164,

307.6555, 433.8742

5.9036

367.5668,
365.6688, 508.5696

■ 0.6395, 0.3002,
2.7187

■ 0.0000, 0.0000,
0.9528

■ 64.7679, 61.6222,
103.0884

■ 64.7679, 61.6222,
103.0884

■ 53.8432, 47.9994,
101.0347

■ 77.4584, 77.6176,
105.5069

■ 44.5999, 36.6286,
99.3271

■ 91.9835, 96.0841,
108.3058

■ 36.9544, 27.3891,
97.9467

95.0500, 100.0000,
108.9000

■ 30.8139, 20.1464,
96.8723

■ 26.0754, 14.7500,
96.0804

■ 22.6228, 11.0279,
95.5440

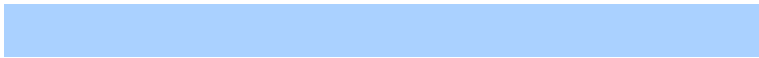
■ 20.3192, 8.7745,
95.2305

■ 19.1556, 7.7900,
95.1017

Harmonies

Analogous

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



58.3503, 61.6222, 109.0984



64.7679, 61.6222, 103.0884



69.8192, 61.6222, 87.0507

Triad

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



64.7679, 61.6222, 103.0884



65.1763, 61.6222, 41.0926



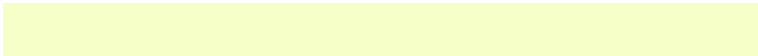
47.0560, 61.6222, 66.4679

Complementary

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



64.7679, 61.6222, 103.0884



83.7263, 95.0566, 67.9706

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.



48.5992, 61.6222, 50.4508



64.7679, 61.6222, 103.0884



58.7904, 61.6222, 37.5511

Square

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



64.7679, 61.6222, 103.0884



70.0669, 61.6222, 51.3587



52.7808, 61.6222, 40.6398



48.4051, 61.6222, 85.7588

Rectangle

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



64.7679, 61.6222, 103.0884



71.5653, 61.6222, 74.0955



52.7808, 61.6222, 40.6398



47.2516, 61.6222, 60.5520

Sweetspot

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



64.7697, 61.6246, 103.0888



84.4274, 86.4596, 106.8463



74.4591, 85.0722, 107.1039



17.8841, 18.2685, 22.8335



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.



64.7697, 61.6246, 103.0888



60.1464, 55.8398, 102.2158



73.1779, 65.9592, 103.4823



17.3054, 17.5336, 22.7222



10.0961, 4.1152, 49.6968



1.0614, 0.4411, 4.8425

Inverse Universe

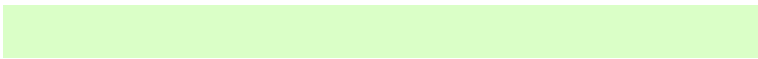
The Inverse Universe completely reimagines the original color for something new.



78.1463, 68.7017, 95.5300



75.5753, 64.0071, 93.2940



74.8841, 90.4983, 67.5568



18.6453, 18.2414, 22.0152



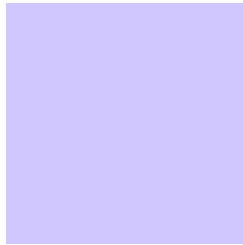
27.6434, 13.5467, 33.1022



2.7263, 1.3329, 3.4060

Previews

White Background



This preview shows how the XYZ color 64.7679, 61.6222, 103.0884 looks on a white background.

Color Contrast Check

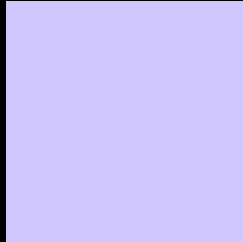
Large Text (above 18pt) WCAG AA × Fail

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 64.7679, 61.6222, 103.0884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

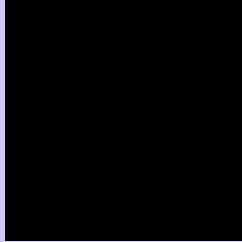
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7679, 61.6222, 103.0884

Background



This preview shows how black text looks on a background with the XYZ color 64.7679, 61.6222, 103.0884.

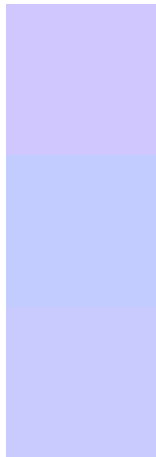


This preview shows how white text looks on a background with the XYZ color 64.7679, 61.6222,

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

64.7679, 61.6222, 103.0884

Protanopia

61.8910, 61.8751, 103.2888

Deuteranopia

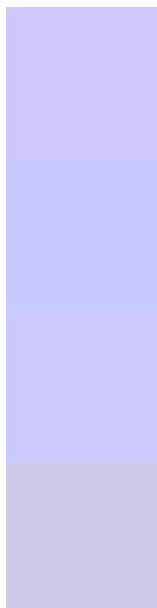
63.0973, 61.8143, 102.3717



Tritanopia

59.5111, 61.5796, 77.1561

Trichromacy



Original Color

64.7679, 61.6222, 103.0884

Protanomaly

62.7237, 61.6032, 103.1924

Deuteranomaly

63.6779, 61.7664, 102.3319

Tritanomaly

61.2408, 61.5742, 85.7481

Monochromacy



Original Color

64.7679, 61.6222, 103.0884

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

61.4344, 62.5088, 80.0616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7679, 61.6222, 103.0884 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(209, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 199, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.7679, 61.6222, 103.0884 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(209, 199, 255) }
```


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

```
.border{ border-color:rgb(209, 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(209, 199, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 199,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7679, 61.6222, 103.0884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 199, 255) }
```

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

```
.background{ background-color: rgb(209,  
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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