

Converting Colors

XYZ(68.7075, 67.8561,
102.8076)

Have a look what the booklet for
XYZ(68.7075, 67.8561, 102.8076)
contains.

XYZ(68.7554, 67.9765, 102.4255)	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(68.7554, 67.9765,
102.4255)**

Conversions

Conversions Part 1

Format	Color
Hex	D6D3FD
RGB	214, 211, 253
RGB Percent	84%, 83%, 99%
CMY	0.1608, 0.1725, 0.0078
CMYK	0.15, 0.17, 0.00, 0.01
HSL	244°, 91%, 91%
HSV	244°, 17%, 99%
XYZ	68.7554, 67.9765, 102.4255
YIQ	216.6850, -11.6940, 13.6980

Conversions

Conversions Part 2

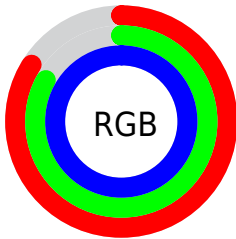
Format	Color
R_{YB}	214, 211, 253
Decimal	14078973
CIE _{Lab}	85.99, 9.21, -20.11
CIE _{LCh}	86, 22.120, 294.602
Yxy	67.9765, 0.2875, 0.2842
Android (android.graphics.Color)	4292269053 (0xFFD6D3FD)
YUV	216.6850, 17.9033, -2.3547
Hunter-Lab	82.4479, 4.5720, -15.9428

Details

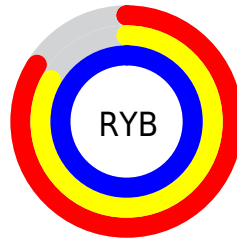
The XYZ color **68.7554, 67.9765, 102.4255** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.3099, 95.2795, 75.4729**, and the grayscale version is **65.6266, 69.0443, 75.1892**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3189, 35.4704, 57.1568** is the 20% darker color. If you saturate the color by 10%, you get **56.5889, 53.0981, 100.1960**, and if you desaturate by 10%, it is **82.9042, 85.3487, 105.0340**.

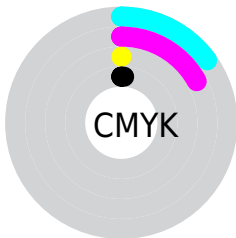
Distribution



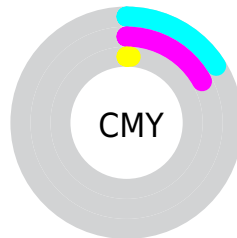
- Red (84%)
- Green (83%)
- Blue (99%)



- Red (84%)
- Yellow (83%)
- Blue (99%)



- Cyan (15%)
- Magenta (17%)
- Yellow (0%)
- Black (1%)



- Cyan (16%)
- Magenta (17%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7554, 67.9765, 102.4255 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 68.7554, 67.9765, 102.4255 by changing the saturation by 10% instead.

■ 68.7554, 67.9765,
102.4255

■ 68.7554, 67.9765,
102.4255

445.5027,
453.4127, 589.2543

■ 50.7884, 49.8786,
77.6996

116.4681,
116.3185, 166.5673

■ 36.2606, 35.3170,
57.3122

146.9446,
147.3315, 206.8202

■ 24.8066, 23.9071,
40.8450

182.3217,
183.4182, 253.0859

■ 16.0610, 15.2647,
27.8792

222.9646,
224.9631, 305.7828

■ 9.6584, 9.0054,
17.9963

269.2388,
272.3507, 365.3296

■ 5.2336, 4.7447,
10.7779

321.5097,

■ 2.4211, 2.0983,

325.9652, 432.1448

5.8054

380.1425,
386.1911, 506.6468

■ 0.8557, 0.6636,
2.6603

■ 0.0000, 0.0000,
0.9233

■ 68.7554, 67.9765,
102.4255

■ 68.7554, 67.9765,
102.4255

■ 56.5889, 53.0981,
100.1960

■ 82.9042, 85.3487,
105.0340

■ 46.3101, 40.5910,
98.3237

94.7298, 99.8719,
107.2140

■ 37.8262, 30.3351,
96.7912

■ 31.0339, 22.1964,
95.5783

■ 25.8193, 16.0268,
94.6623

■ 22.0547, 11.6588,
94.0176

■ 19.5920, 8.8970,
93.6143

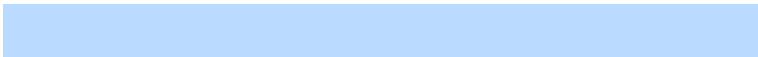
■ 18.2504, 7.4989,
93.4151

■ 17.9804, 7.2211,
93.3758

Harmonies

Analogous

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



63.6965, 67.9765, 105.4496



68.7554, 67.9765, 102.4255



72.8900, 67.9765, 91.4015

Triad

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



68.7554, 67.9765, 102.4255



70.4252, 67.9765, 53.5018



55.3785, 67.9765, 71.4182

Complementary

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



68.7554, 67.9765, 102.4255



86.3099, 95.2795, 75.4729

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.



56.9814, 67.9765, 58.9860



68.7554, 67.9765, 102.4255



65.5315, 67.9765, 49.5448

Square

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



68.7554, 67.9765, 102.4255



73.8888, 67.9765, 62.9852



60.6339, 67.9765, 51.4132



56.1418, 67.9765, 86.2623

Rectangle

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



68.7554, 67.9765, 102.4255



74.4757, 67.9765, 81.6817



60.6339, 67.9765, 51.4132



55.6558, 67.9765, 66.8434

Sweetspot

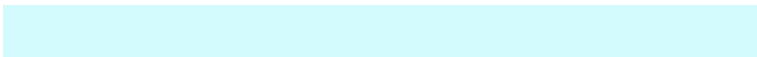
The Sweet Spot groups the original color and five complimentary colors.



68.7575, 67.9793, 102.4270



86.8940, 89.9564, 107.3913



78.8434, 89.4381, 106.0374



18.3627, 18.9637, 22.9425



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.



68.7575, 67.9793, 102.4270



65.5542, 63.7635, 103.4603



75.2212, 71.3114, 102.7295



17.1231, 17.4396, 22.7137



9.6072, 3.8632, 49.6739



0.9753, 0.3967, 4.8384

Inverse Universe

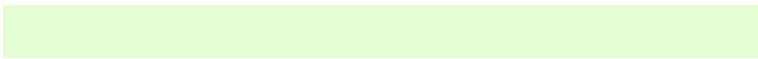
The Inverse Universe completely reimagines the original color for something new.



81.0599, 74.3762, 100.5293



80.3023, 71.4335, 101.1202



79.2622, 91.6463, 75.1431



18.7334, 18.2767, 22.4792



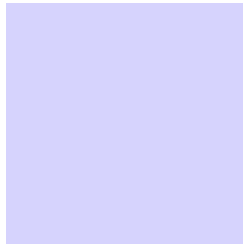
29.5445, 14.3071, 43.1133



2.8927, 1.3995, 4.2826

Previews

White Background



This preview shows how the XYZ color 68.7554, 67.9765, 102.4255 looks on a white background.

Color Contrast Check

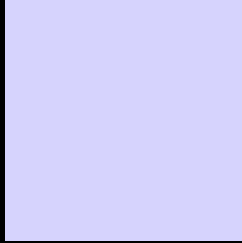
Large Text (above 18pt) WCAG AA × Fail

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 68.7554, 67.9765, 102.4255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

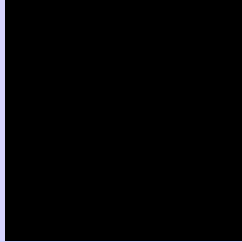
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7554, 67.9765, 102.4255

Background



This preview shows how black text looks on a background with the XYZ color 68.7554, 67.9765, 102.4255.

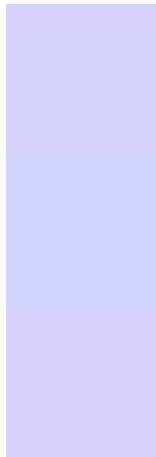


This preview shows how white text looks on a background with the XYZ color 68.7554, 67.9765,

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

68.7554, 67.9765, 102.4255

Protanopia

67.4158, 68.0097, 103.3399

Deuteranopia

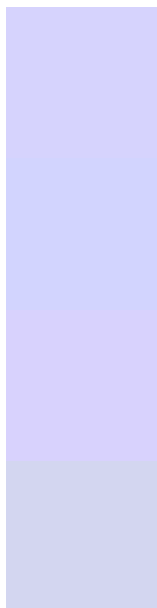
69.3915, 67.9367, 102.3843



Tritanopia

65.4443, 68.1287, 86.0448

Trichromacy



Original Color

68.7554, 67.9765, 102.4255

Protanomaly

68.0112, 67.9444, 103.2959

Deuteranomaly

69.0951, 67.7840, 102.3704

Tritanomaly

66.6387, 68.2333, 92.0962

Monochromacy



Original Color

68.7554, 67.9765, 102.4255

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.9023, 68.9130, 84.6383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7554, 67.9765, 102.4255 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(214, 211, 253)` looks like.

```
.text, #text, p{  
    color:rgb(214, 211, 253)  
}
```

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(214, 211, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 211, 253) }
```

Border

The CSS property to change the border of an element to XYZ 68.7554, 67.9765, 102.4255 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(214, 211, 253) }
```


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

```
.border{ border-color:rgb(214, 211, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 211, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 211, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 211, 253);  
box-shadow:4px 4px 4px 4px rgb(214, 211,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7554, 67.9765, 102.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 211, 253) }
```

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

```
.background{ background-color: rgb(214,  
211, 253) }
```

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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