

Converting Colors

XYZ(70.5662, 68.0842,
102.1621)

Have a look what the booklet for
XYZ(70.5662, 68.0842, 102.1621)
contains.

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Color

**XYZ(70.6543, 68.2224,
102.3729)**

Conversions

Conversions Part 1

Format	Color
Hex	DED1FD
RGB	222, 209, 253
RGB Percent	87%, 82%, 99%
CMY	0.1294, 0.1804, 0.0078
CMYK	0.12, 0.17, 0.00, 0.01
HSL	258°, 92%, 91%
HSV	258°, 17%, 99%
XYZ	70.6543, 68.2224, 102.3729
YIQ	217.9030, -6.3760, 16.4400

Conversions

Conversions Part 2

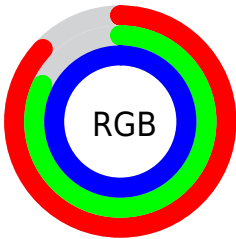
Format	Color
R _Y B	222, 209, 253
Decimal	14602749
CIE Lab	86.12, 12.77, -19.87
CIE LCh	86, 23.619, 302.740
Yxy	68.2224, 0.2929, 0.2828
Android (android.graphics.Color)	4292792829 (0xFFDED1FD)
YUV	217.9030, 17.3028, 3.5931
Hunter-Lab	82.5969, 8.1465, -15.6679

Details

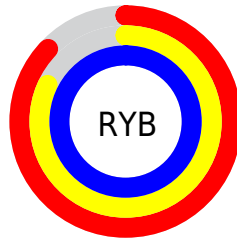
The XYZ color **70.6543, 68.2224, 102.3729** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.5715, 93.3811, 73.9972**, and the grayscale version is **66.4632, 69.9245, 76.1478**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6215, 35.6437, 57.1216** is the 20% darker color. If you saturate the color by 10%, you get **59.7592, 54.1127, 100.2248**, and if you desaturate by 10%, it is **83.1165, 84.6067, 104.8796**.

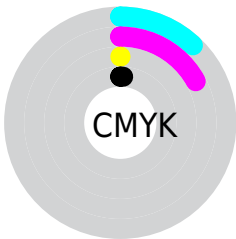
Distribution



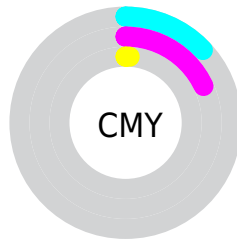
- Red (87%)
- Green (82%)
- Blue (99%)



- Red (87%)
- Yellow (82%)
- Blue (99%)



- Cyan (12%)
- Magenta (17%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6543, 68.2224, 102.3729 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 70.6543, 68.2224, 102.3729 by changing the saturation by 10% instead.

70.6543, 68.2224,
102.3729

70.6543, 68.2224,
102.3729

452.0747,
454.2836, 589.0854

52.3416, 50.0787,
77.6558

119.1626,
116.6702, 166.4945

37.5028, 35.4759,
57.2765

150.0889,
147.7432, 206.7362

25.7725, 24.0297,
40.8165

185.9504,
183.8946, 252.9897

16.7853, 15.3557,
27.8571

227.1126,
225.5090, 305.6738

10.1759, 9.0694,
17.9798

273.9408,
272.9707, 365.2068

5.5789, 4.7865,
10.7662

326.8003,

2.6290, 2.1225,

326.6641, 432.0074

5.7977

386.0565,
386.9736, 506.4941

■ 0.9607, 0.6772,
2.6557

■ 0.0000, 0.0000,
0.9210

■ 70.6543, 68.2224,
102.3729

■ 70.6543, 68.2224,
102.3729

■ 59.7592, 54.1127,
100.2248

■ 83.1165, 84.6067,
104.8796

■ 50.3607, 42.1670,
98.4144

94.7298, 99.8719,
107.2140

■ 42.3919, 32.2781,
96.9256

■ 35.7783, 24.3263,
95.7393

■ 30.4380, 18.1790,
94.8343

■ 26.2793, 13.6864,
94.1863

■ 23.1970, 10.6733,
93.7671

■ 21.0588, 8.9145,
93.5404

■ 20.6112, 8.5774,
93.4989

Harmonies

Analogous

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



65.3437, 68.2224, 108.3241



70.6543, 68.2224, 102.3729



74.5723, 68.2224, 88.8342

Triad

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



70.6543, 68.2224, 102.3729



69.7430, 68.2224, 50.7505



54.9655, 68.2224, 75.7210

Complementary

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



70.6543, 68.2224, 102.3729



82.5715, 93.3811, 73.9972

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.



55.9996, 68.2224, 61.4138



70.6543, 68.2224, 102.3729



64.3456, 68.2224, 48.2439

Square

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



70.6543, 68.2224, 102.3729



74.0259, 68.2224, 59.2589



59.3601, 68.2224, 51.8673



56.4534, 68.2224, 91.6524

Rectangle

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



70.6543, 68.2224, 102.3729



75.7593, 68.2224, 78.1249



59.3601, 68.2224, 51.8673



55.0298, 68.2224, 70.5684

Sweetspot

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



70.6564, 68.2253, 102.3744



87.8884, 90.4690, 107.4378



75.3438, 83.2840, 105.0340



18.6035, 19.0879, 22.9538



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.



70.6564, 68.2253, 102.3744



67.7372, 63.9965, 103.3902



77.6557, 71.8335, 102.7020



17.5073, 17.6377, 22.7316



11.0904, 4.6278, 49.7433



1.1836, 0.5041, 4.8482

Inverse Universe

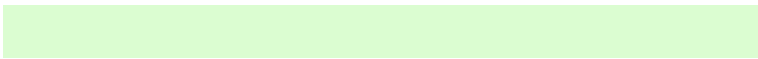
The Inverse Universe completely reimagines the original color for something new.



79.0390, 72.7778, 92.3230



77.8384, 69.4861, 91.1108



75.7094, 89.8435, 73.6761



18.5506, 18.2035, 21.5164



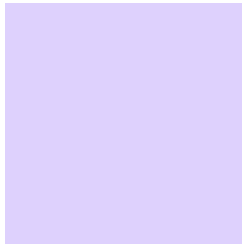
25.9045, 12.8511, 23.9453



2.5702, 1.2705, 2.5840

Previews

White Background



This preview shows how the XYZ color 70.6543, 68.2224, 102.3729 looks on a white background.

Color Contrast Check

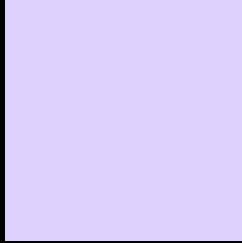
Large Text (above 18pt) WCAG AA × Fail

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 70.6543, 68.2224, 102.3729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

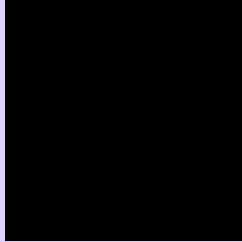
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6543, 68.2224, 102.3729

Background



This preview shows how black text looks on a background with the XYZ color 70.6543, 68.2224, 102.3729.

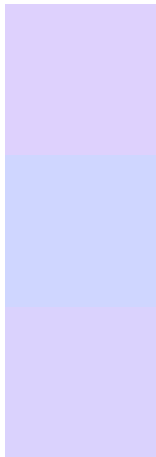


This preview shows how white text looks on a background with the XYZ color 70.6543, 68.2224,

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

70.6543, 68.2224, 102.3729

Protanopia

67.8287, 68.5785, 104.2698

Deuteranopia

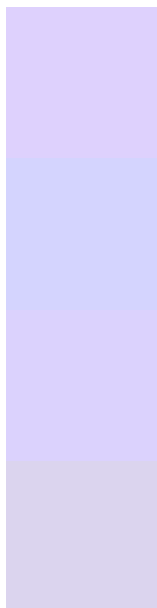
69.6897, 68.0905, 102.3982



Tritanopia

66.9906, 68.2071, 84.4974

Trichromacy



Original Color

70.6543, 68.2224, 102.3729

Protanomaly

68.5843, 68.2398, 103.3227

Deuteranomaly

69.9896, 68.2451, 102.4123

Tritanomaly

68.1895, 68.3201, 90.4820

Monochromacy



Original Color

70.6543, 68.2224, 102.3729

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.9377, 69.4305, 85.4220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6543, 68.2224, 102.3729 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, 209, 253)` looks like.

```
.text, #text, p{  
    color:rgb(222, 209, 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(222, 209, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 209, 253) }
```

Border

The CSS property to change the border of an element to XYZ 70.6543, 68.2224, 102.3729 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, 209, 253) }
```


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

```
.border{ border-color:rgb(222, 209, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 209, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 209, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 209, 253);  
box-shadow:4px 4px 4px 4px rgb(222, 209,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6543, 68.2224, 102.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 209, 253) }
```

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

```
.background{ background-color: rgb(222,  
209, 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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