

Converting Colors

XYZ(87.1910, 73.7367,
192.6047)

Have a look what the booklet for
XYZ(87.1910, 73.7367, 192.6047)
contains.

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Color

**XYZ(70.2455, 66.8922,
103.8169)**

Conversions

Conversions Part 1

Format	Color
Hex	DECEFF
RGB	222, 206, 255
RGB Percent	87%, 81%, 100%
CMY	0.1294, 0.1921, 0.0000
CMYK	0.13, 0.19, 0.00, 0.00
HSL	260°, 100%, 90%
HSV	260°, 19%, 100%
XYZ	70.2455, 66.8922, 103.8169
YIQ	216.3700, -6.1930, 18.6310

Conversions

Conversions Part 2

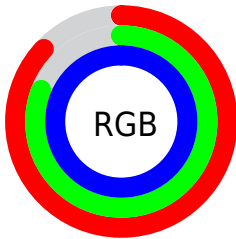
Format	Color
R _Y B	222, 206, 255
Decimal	14601983
CIE _{Lab}	85.45, 14.78, -21.94
CIE _{LCh}	85, 26.450, 303.969
Yxy	66.8922, 0.2915, 0.2776
Android (android.graphics.Color)	4292792063 (0xFFDECEFF)
YUV	216.3700, 19.0446, 4.9375
Hunter-Lab	81.7877, 10.1811, -18.0082

Details

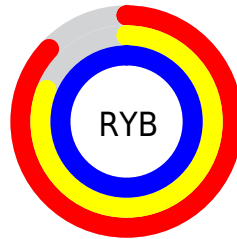
The XYZ color **70.2455, 66.8922, 103.8169** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.4986, 94.3276, 72.2545**, and the grayscale version is **65.4013, 68.8073, 74.9311**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3576, 34.7492, 58.1644** is the 20% darker color. If you saturate the color by 10%, you get **59.6029, 53.0215, 101.7005**, and if you desaturate by 10%, it is **82.4236, 83.0363, 106.2912**.

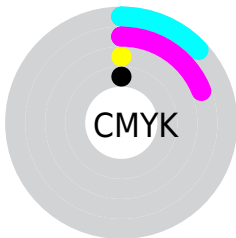
Distribution



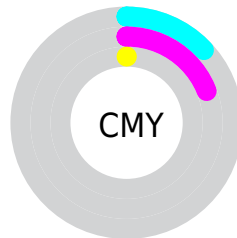
- Red (87%)
- Green (81%)
- Blue (100%)



- Red (87%)
- Yellow (81%)
- Blue (100%)



- Cyan (13%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2455, 66.8922, 103.8169 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 70.2455, 66.8922, 103.8169 by changing the saturation by 10% instead.

70.2455, 66.8922,
103.8169

70.2455, 66.8922,
103.8169

450.6645,
449.5610, 593.7128

52.0070, 48.9970,
78.8574

118.5831,
114.7659, 168.4901

37.2350, 34.6171,
58.2580

149.4130,
145.5133, 209.0409

25.5640, 23.3681,
41.6000

185.1708,
181.3135, 255.6260

16.6287, 14.8655,
28.4650

226.2217,
222.5509, 308.6637

10.0638, 8.7251,
18.4344

272.9312,
269.6100, 368.5727

5.5039, 4.5623,
11.0896

325.6646,

2.5836, 1.9928,

322.8751, 435.7715

6.0122

384.7872,
382.7306, 510.6787

■ 0.9376, 0.6033,
2.7836

■ 0.0000, 0.0000,
0.9852

■ 70.2455, 66.8922,
103.8169

■ 70.2455, 66.8922,
103.8169

■ 59.6029, 53.0215,
101.7005

■ 82.4236, 83.0363,
106.2912

■ 50.4261, 41.3118,
99.9240

95.0500, 100.0000,
108.9000

■ 42.6485, 31.6535,
98.4697

■ 36.1956, 23.9238,
97.3178

■ 30.9853, 17.9861,
96.4463

■ 26.9254, 13.6856,
95.8302

■ 23.9087, 10.8394,
95.4398

■ 21.7828, 9.1766,
95.2309

■ 21.6403, 9.0709,
95.2180

Harmonies

Analogous

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



64.3808, 66.8922, 111.0186



70.2455, 66.8922, 103.8169



74.5193, 66.8922, 88.3184

Triad

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



70.2455, 66.8922, 103.8169



68.7778, 66.8922, 46.9964



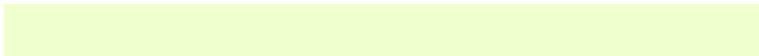
52.7502, 66.8922, 75.1450

Complementary

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



70.2455, 66.8922, 103.8169



82.4986, 94.3276, 72.2545

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.



53.7656, 66.8922, 59.2747



70.2455, 66.8922, 103.8169



62.7839, 66.8922, 44.5947

Square

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



70.2455, 66.8922, 103.8169



73.6352, 66.8922, 55.8888



57.3483, 66.8922, 48.7247



54.4828, 66.8922, 92.8993

Rectangle

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



70.2455, 66.8922, 103.8169



75.7561, 66.8922, 76.3615



57.3483, 66.8922, 48.7247



52.7822, 66.8922, 69.4173

Sweetspot

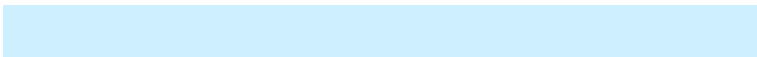
The Sweet Spot groups the original color and five complimentary colors.



70.2474, 66.8949, 103.8173



86.6719, 88.7215, 107.1646



74.5136, 82.3598, 106.5775



18.3637, 18.7385, 22.8990



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.



70.2474, 66.8949, 103.8173



66.0403, 61.3808, 102.9747



78.1347, 70.9610, 104.1864



17.5615, 17.6657, 22.7342



11.4462, 4.8112, 49.7600



1.2237, 0.5247, 4.8501

Inverse Universe

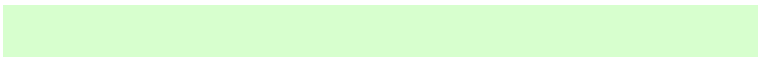
The Inverse Universe completely reimagines the original color for something new.



78.8928, 71.6371, 91.3326



76.1775, 66.9454, 88.1495



74.9218, 90.4216, 71.8999



18.5256, 18.1936, 21.3850



25.4983, 12.6886, 21.8062



2.5330, 1.2556, 2.3881

Previews

White Background



This preview shows how the XYZ color 70.2455, 66.8922, 103.8169 looks on a white background.

Color Contrast Check

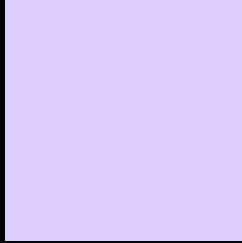
Large Text (above 18pt) WCAG AA × Fail

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 70.2455, 66.8922, 103.8169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

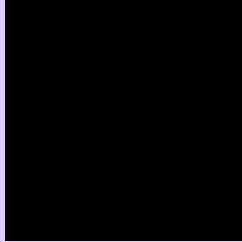
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2455, 66.8922, 103.8169

Background



This preview shows how black text looks on a background with the XYZ color 70.2455, 66.8922, 103.8169.

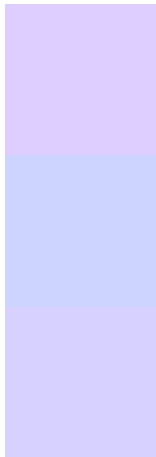


This preview shows how white text looks on a background with the XYZ color 70.2455, 66.8922,

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

70.2455, 66.8922, 103.8169

Protanopia

66.4953, 67.1443, 104.0632

Deuteranopia

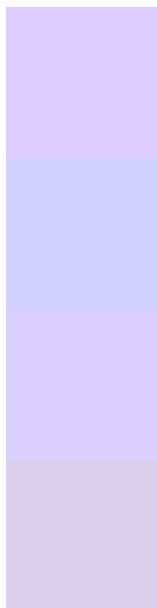
68.4214, 67.0528, 103.1022



Tritanopia

65.7747, 66.8863, 82.1167

Trichromacy



Original Color

70.2455, 66.8922, 103.8169

Protanomaly

67.9606, 67.1621, 103.9894

Deuteranomaly

69.0605, 67.0192, 103.0621

Tritanomaly

67.2999, 66.7754, 89.4626

Monochromacy



Original Color

70.2455, 66.8922, 103.8169

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.7399, 67.7056, 84.4138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2455, 66.8922, 103.8169 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, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 206, 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, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.2455, 66.8922, 103.8169 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, 206, 255) }
```


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

```
.border{ border-color:rgb(222, 206, 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, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2455, 66.8922, 103.8169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 206, 255) }
```

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

```
.background{ background-color: rgb(222,  
206, 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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