

Converting Colors

XYZ(71.8795, 67.2892,
103.8074)

Have a look what the booklet for
XYZ(71.8795, 67.2892, 103.8074)
contains.

XYZ(71.8762, 67.3766, 103.8244)	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(71.8762, 67.3766,
103.8244)**

Conversions

Conversions Part 1

Format	Color
Hex	E4CDFF
RGB	228, 205, 255
RGB Percent	89%, 80%, 100%
CMY	0.1059, 0.1961, 0.0000
CMYK	0.11, 0.20, 0.00, 0.00
HSL	268°, 100%, 90%
HSV	268°, 20%, 100%
XYZ	71.8762, 67.3766, 103.8244
YIQ	217.5770, -2.3420, 20.4260

Conversions

Conversions Part 2

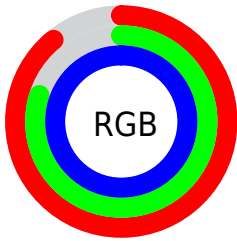
Format	Color
R _Y B	228, 205, 255
Decimal	14994943
CIE Lab	85.69, 17.20, -21.52
CIE LCh	86, 27.547, 308.629
Yxy	67.3766, 0.2957, 0.2772
Android (android.graphics.Color)	4293185023 (0xFFE4CDFF)
YUV	217.5770, 18.4495, 9.1410
Hunter-Lab	82.0833, 12.6578, -17.5357

Details

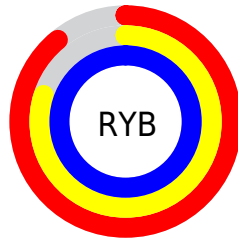
The XYZ color **71.8762, 67.3766, 103.8244** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.0597, 93.0843, 71.5082**, and the grayscale version is **66.2294, 69.6784, 75.8798**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2729, 34.9811, 58.1609** is the 20% darker color. If you saturate the color by 10%, you get **62.0708, 53.9940, 101.7582**, and if you desaturate by 10%, it is **83.0274, 82.9321, 106.2392**.

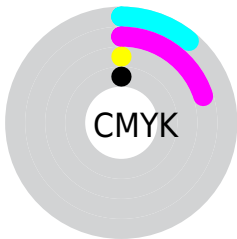
Distribution



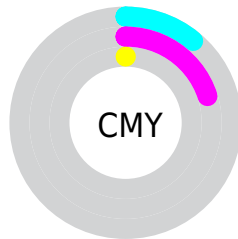
- Red (89%)
- Green (80%)
- Blue (100%)



- Red (89%)
- Yellow (80%)
- Blue (100%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8762, 67.3766, 103.8244 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 71.8762, 67.3766, 103.8244 by changing the saturation by 10% instead.

71.8762, 67.3766,
103.8244

71.8762, 67.3766,
103.8244

456.2749,
451.2841, 593.7368

53.3427, 49.3907,
78.8637

120.8923,
115.4599, 168.5005

38.3050, 34.9295,
58.2631

152.1055,
146.3261, 209.0529

26.3977, 23.6086,
41.6041

188.2760,
182.2545, 255.6396

17.2557, 15.0435,
28.4681

229.7691,
223.6296, 308.6792

10.5134, 8.8499,
18.4367

276.9502,
270.8357, 368.5902

5.8055, 4.6434,
11.0913

330.1846,

2.7667, 2.0396,

324.2572, 435.7910

6.0133

389.8377,
384.2786, 510.7004

■ 1.0316, 0.6303,
2.7843

■ 0.0000, 0.0000,
0.9856

■ 71.8762, 67.3766,
103.8244

■ 71.8762, 67.3766,
103.8244

■ 62.0708, 53.9940,
101.7582

■ 83.0274, 82.9321,
106.2392

■ 53.5493, 42.6759,
100.0226

95.0500, 100.0000,
108.9000

■ 46.2533, 33.3163,
98.6006

■ 40.1169, 25.7967,
97.4726

■ 35.0673, 19.9850,
96.6170

■ 31.0224, 15.7308,
96.0090

■ 27.8855, 12.8555,
95.6194

■ 25.5104, 11.0822,
95.4023

■ 25.4261, 11.0225,
95.3952

Harmonies

Analogous

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



65.8681, 67.3766, 113.1326



71.8762, 67.3766, 103.8244



75.9535, 67.3766, 86.6967

Triad

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



71.8762, 67.3766, 103.8244



68.5405, 67.3766, 45.6431



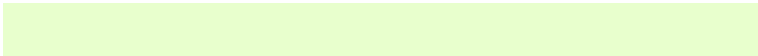
52.8290, 67.3766, 78.6730

Complementary

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



71.8762, 67.3766, 103.8244



80.0597, 93.0843, 71.5082

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.



53.4413, 67.3766, 61.4693



71.8762, 67.3766, 103.8244



62.2449, 67.3766, 44.2109

Square

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



71.8762, 67.3766, 103.8244



73.9418, 67.3766, 53.8236



56.7941, 67.3766, 49.5295



55.0631, 67.3766, 97.1340

Rectangle

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



71.8762, 67.3766, 103.8244



76.8836, 67.3766, 74.1918



56.7941, 67.3766, 49.5295



52.7119, 67.3766, 72.5377

Sweetspot

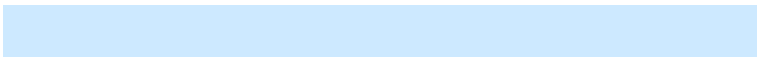
The Sweet Spot groups the original color and five complimentary colors.



71.8781, 67.3794, 103.8249



87.3872, 89.0902, 107.1981



72.2264, 78.1962, 105.8944



18.5325, 18.8255, 22.9069



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.



71.8781, 67.3794, 103.8249



67.4066, 61.2365, 102.8749



80.2088, 71.6740, 104.2147



17.7970, 17.7871, 22.7452



13.4534, 5.8460, 49.8539



1.4342, 0.6333, 4.8599

Inverse Universe

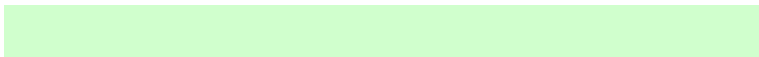
The Inverse Universe completely reimagines the original color for something new.



77.6384, 70.7514, 85.9105



74.3315, 65.2923, 81.2486



72.6534, 89.2662, 71.1616



18.4196, 18.1512, 20.8268



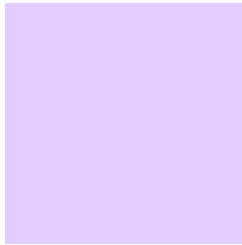
24.0109, 12.0937, 13.9738



2.3930, 1.1996, 1.6512

Previews

White Background



This preview shows how the XYZ color 71.8762, 67.3766, 103.8244 looks on a white background.

Color Contrast Check

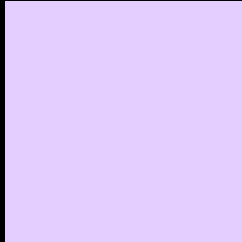
Large Text (above 18pt) WCAG AA × Fail

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 71.8762, 67.3766, 103.8244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

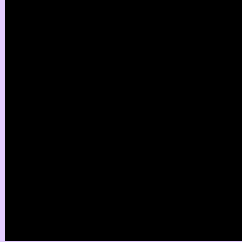
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.8762, 67.3766, 103.8244

Background



This preview shows how black text looks on a background with the XYZ color 71.8762, 67.3766, 103.8244.

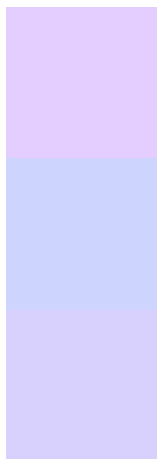


This preview shows how white text looks on a background with the XYZ color 71.8762, 67.3766,

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

71.8762, 67.3766, 103.8244

Protanopia

67.0211, 67.7876, 104.1597

Deuteranopia

69.0088, 67.3556, 103.1297



Tritanopia

67.3431, 67.3272, 82.1191

Trichromacy



Original Color

71.8762, 67.3766, 103.8244

Protanomaly

68.5372, 67.4593, 104.0164

Deuteranomaly

69.9605, 67.4832, 103.1042

Tritanomaly

68.8933, 67.2337, 89.4671

Monochromacy



Original Color

71.8762, 67.3766, 103.8244

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

68.3423, 68.8876, 85.2959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8762, 67.3766, 103.8244 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(228, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 205, 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(228, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 205, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.8762, 67.3766, 103.8244 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(228, 205, 255) }
```


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

```
.border{ border-color:rgb(228, 205, 255) }
```

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

Here you see how a box with a 4 pixel rgb(228, 205, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 205,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8762, 67.3766, 103.8244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 205, 255) }
```

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

```
.background{ background-color: rgb(228,  
205, 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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