

Converting Colors

XYZ(78.8275, 71.8231, 90.3349)

Have a look what the booklet for
XYZ(78.8275, 71.8231, 90.3349)
contains.

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Color

**XYZ(78.9854, 72.0587,
90.6347)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCFEE
RGB	255, 207, 238
RGB Percent	100%, 81%, 93%
CMY	0.0000, 0.1882, 0.0667
CMYK	0.00, 0.19, 0.07, 0.00
HSL	321°, 100%, 91%
HSV	321°, 19%, 100%
XYZ	78.9854, 72.0587, 90.6347
YIQ	224.8860, 18.6570, 19.8170

Conversions

Conversions Part 2

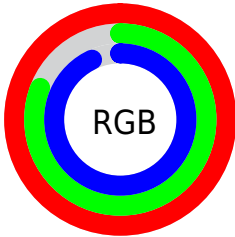
Format	Color
R_{YB}	255, 207, 238
Decimal	16764910
CIE _{Lab}	88.00, 21.82, -8.83
CIE _{LCh}	88, 23.539, 337.962
Yxy	72.0587, 0.3268, 0.2982
Android (android.graphics.Color)	4294954990 (0xFFFFCFEE)
YUV	224.8860, 6.4652, 26.4100
Hunter-Lab	84.8874, 17.5364, -3.8831

Details

The XYZ color **78.9854, 72.0587, 90.6347** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.9490, 90.1683, 83.9783**, and the grayscale version is **71.4333, 75.1534, 81.8421**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9604, 37.8396, 49.2955** is the 20% darker color. If you saturate the color by 10%, you get **72.0056, 60.1694, 81.9253**, and if you desaturate by 10%, it is **87.0329, 85.9759, 100.0303**.

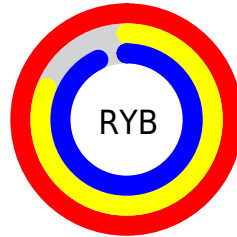
Distribution



Red (100%)

Green (81%)

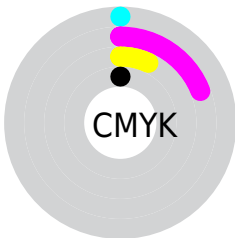
Blue (93%)



Red (100%)

Yellow (81%)

Blue (93%)

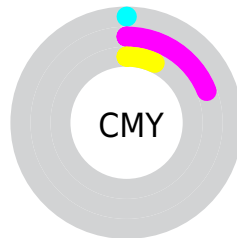


Cyan (0%)

Magenta (19%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.9854, 72.0587, 90.6347 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 78.9854, 72.0587, 90.6347 by changing the saturation by 10% instead.


 78.9854, 72.0587,
90.6347

 78.9854, 72.0587,
90.6347


480.2957,
467.7459, 550.7166

 59.1894, 53.2066,
67.9305


130.8963,
122.1400, 150.1629

 43.0126, 37.9677,
49.3749


163.7420,
154.1380, 187.8240

 30.0895, 25.9577,
34.5492


201.6682,
191.2868, 231.3078

 20.0550, 16.7920,
23.0351

245.0404,
233.9707, 281.0329

 12.5435, 10.0863,
14.4139

294.2239,
282.5742, 337.4178

 7.1898, 5.4562,
8.2671

349.5840,

 3.6285, 2.5173,

337.4816, 400.8810

4.1761

411.4862,
399.0774, 471.8411

■ 1.4942, 0.8853,
1.7224

■ 0.3219, 0.0000,
0.3760

■ 78.9854, 72.0587,
90.6347

■ 78.9854, 72.0587,
90.6347

■ 72.0056, 60.1694,
81.9253

■ 87.0329, 85.9759,
100.0303

■ 66.0395, 50.2030,
73.8767

95.0500, 100.0000,
108.9000

■ 61.0362, 42.0587,
66.4677

■ 56.9380, 35.6227,
59.6743

■ 53.6808, 30.7685,
53.4700

■ 51.1914, 27.3517,
47.8252

■ 49.3836, 25.2012,
42.7057

■ 48.1325, 24.0692,
38.0644

■ 48.0028, 23.9651,
37.5422

Harmonies

Analogous

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



75.3433, 72.0587, 105.4305



78.9854, 72.0587, 90.6347



79.7404, 72.0587, 74.2570

Triad

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



78.9854, 72.0587, 90.6347



67.0060, 72.0587, 51.6637



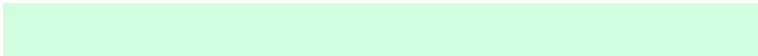
60.3303, 72.0587, 99.0437

Complementary

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



78.9854, 72.0587, 90.6347



74.9490, 90.1683, 83.9783

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.



58.3503, 72.0587, 82.8180



78.9854, 72.0587, 90.6347



62.0648, 72.0587, 56.5319

Square

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



78.9854, 72.0587, 90.6347



72.6184, 72.0587, 53.1613



58.9675, 72.0587, 67.4269



64.5204, 72.0587, 110.7287

Rectangle

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



78.9854, 72.0587, 90.6347



78.4683, 72.0587, 64.8447



58.9675, 72.0587, 67.4269



59.3949, 72.0587, 93.8583

Sweetspot

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



78.9871, 72.0617, 90.6362



89.5015, 90.2796, 102.8069



71.0440, 67.6645, 103.9239



19.0330, 19.1071, 21.8662



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.



78.9871, 72.0617, 90.6362



75.9429, 66.8515, 86.9142



75.7181, 70.7541, 73.4219



18.5035, 18.1847, 21.2685



25.1561, 12.5517, 20.0045



2.5014, 1.2429, 2.2216

Inverse Universe

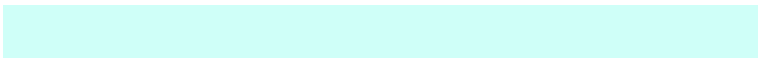
The Inverse Universe completely reimagines the original color for something new.



78.9871, 72.0617, 90.6362



75.9429, 66.8515, 86.9142



78.4062, 91.5512, 102.1838



18.5035, 18.1847, 21.2685



25.1561, 12.5517, 20.0045



2.5014, 1.2429, 2.2216

Previews

White Background



This preview shows how the XYZ color 78.9854, 72.0587, 90.6347 looks on a white background.

Color Contrast Check

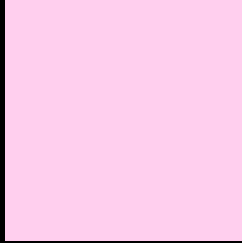
Large Text (above 18pt) WCAG AA × Fail

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 78.9854, 72.0587, 90.6347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

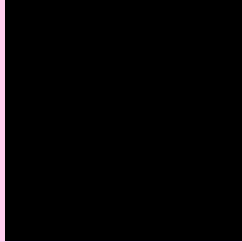
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.9854, 72.0587, 90.6347

Background



This preview shows how black text looks on a background with the XYZ color 78.9854, 72.0587, 90.6347.



This preview shows how white text looks on a background with the XYZ color 78.9854, 72.0587,

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

78.9854, 72.0587, 90.6347

Protanopia

70.8795, 72.2223, 97.3933

Deuteranopia

73.8475, 72.3775, 90.1988



Tritanopia

76.8991, 71.9198, 81.0631

Trichromacy



Original Color

78.9854, 72.0587, 90.6347

Protanomaly

73.4331, 72.0609, 94.8328

Deuteranomaly

75.4475, 72.0786, 90.0568

Tritanomaly

77.7119, 71.8958, 84.6443

Monochromacy



Original Color

78.9854, 72.0587, 90.6347

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

73.9464, 73.6888, 85.1889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9854, 72.0587, 90.6347 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(255, 207, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 238)  
}
```

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(255, 207, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 238) }
```

Border

The CSS property to change the border of an element to XYZ 78.9854, 72.0587, 90.6347 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(255, 207, 238) }
```


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

```
.border{ border-color:rgb(255, 207, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9854, 72.0587, 90.6347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 238) }
```

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

```
.background{ background-color: rgb(255,  
207, 238) }
```

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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