

Converting Colors

XYZ(78.4228, 71.5147, 88.6551)

Have a look what the booklet for
XYZ(78.4228, 71.5147, 88.6551)
contains.

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Color

**XYZ(78.4516, 71.4587,
89.0149)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCEEC
RGB	255, 206, 236
RGB Percent	100%, 81%, 93%
CMY	0.0000, 0.1921, 0.0745
CMYK	0.00, 0.19, 0.07, 0.00
HSL	323°, 100%, 90%
HSV	323°, 19%, 100%
XYZ	78.4516, 71.4587, 89.0149
YIQ	224.0710, 19.5740, 19.7180

Conversions

Conversions Part 2

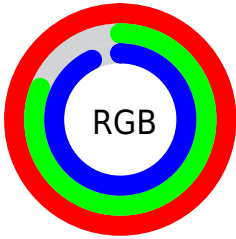
Format	Color
R _Y B	255, 206, 236
Decimal	16764652
CIE Lab	87.71, 22.01, -8.20
CIE LCh	88, 23.485, 339.554
Yxy	71.4587, 0.3284, 0.2991
Android (android.graphics.Color)	4294954732 (0xFFFFCEECE)
YUV	224.0710, 5.8810, 27.1247
Hunter-Lab	84.5332, 17.7248, -3.2601

Details

The XYZ color **78.4516, 71.4587, 89.0149** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.8065, 90.0791, 84.6817**, and the grayscale version is **70.8532, 74.5431, 81.1775**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5935, 37.4343, 48.1606** is the 20% darker color. If you saturate the color by 10%, you get **71.4066, 59.6043, 79.7741**, and if you desaturate by 10%, it is **86.5753, 85.3424, 99.0096**.

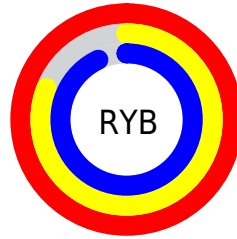
Distribution



Red (100%)

Green (81%)

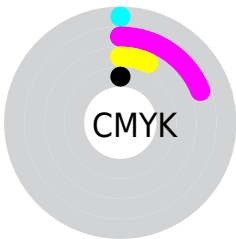
Blue (93%)



Red (100%)

Yellow (81%)

Blue (93%)

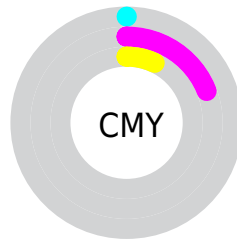


Cyan (0%)

Magenta (19%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4516, 71.4587, 89.0149 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 78.4516, 71.4587, 89.0149 by changing the saturation by 10% instead.

78.4516, 71.4587,
89.0149

78.4516, 71.4587,
89.0149

478.5155,
465.6553, 545.3083

58.7491, 52.7166,
66.5948

130.1485,
121.2866, 147.8928

42.6568, 37.5766,
48.2959

162.8737,
153.1413, 185.1877

29.8093, 25.6542,
33.6996

200.6704,
190.1355, 228.2780

19.8412, 16.5652,
22.3874

243.9041,
232.6539, 277.5821

12.3873, 9.9249,
13.9408

292.9401,
281.0806, 333.5187

7.0821, 5.3492,
7.9412

348.1438,

3.5603, 2.4536,

335.8002, 396.5062

3.9701

409.8805,
397.1969, 466.9632

■ 1.4565, 0.8533,
1.6090

■ 0.2959, 0.0000,
0.2972

■ 78.4516, 71.4587,
89.0149

■ 78.4516, 71.4587,
89.0149

■ 71.4066, 59.6043,
79.7741

■ 86.5753, 85.3424,
99.0096

■ 65.3861, 49.6741,
71.2600

95.0500, 100.0000,
108.9000

■ 60.3386, 41.5667,
63.4500

■ 56.2058, 35.1678,
56.3181

■ 52.9231, 30.3500,
49.8359

■ 50.4165, 26.9680,
43.9717

■ 48.5987, 24.8493,
38.6893

■ 47.3386, 23.7343,
33.9375

■ 47.2507, 23.6643,
33.5819

Harmonies

Analogous

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



74.9668, 71.4587, 103.9189



78.4516, 71.4587, 89.0149



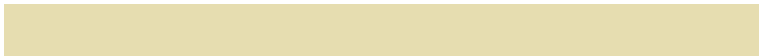
79.0320, 71.4587, 72.8282

Triad

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



78.4516, 71.4587, 89.0149



66.1581, 71.4587, 51.3205



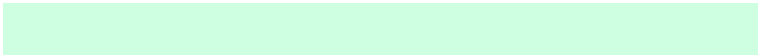
59.9955, 71.4587, 99.0076

Complementary

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



78.4516, 71.4587, 89.0149



74.8065, 90.0791, 84.6817

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.



57.9005, 71.4587, 83.0064



78.4516, 71.4587, 89.0149



61.3280, 71.4587, 56.4814

Square

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



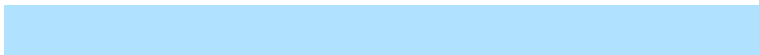
78.4516, 71.4587, 89.0149



71.7279, 71.4587, 52.4704



58.3746, 71.4587, 67.5806



64.2481, 71.4587, 110.2129

Rectangle

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



78.4516, 71.4587, 89.0149



77.6634, 71.4587, 63.6433



58.3746, 71.4587, 67.5806



59.0264, 71.4587, 93.9287

Sweetspot

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



78.4532, 71.4616, 89.0164



89.4212, 90.2474, 102.3839



71.1077, 67.3388, 103.8576



19.0140, 19.0995, 21.7662



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.



78.4532, 71.4616, 89.0164



75.6610, 66.7388, 85.4296



75.1613, 70.1449, 71.6814



18.4767, 18.1740, 21.1276



24.7649, 12.3952, 17.9440



2.4648, 1.2283, 2.0292

Inverse Universe

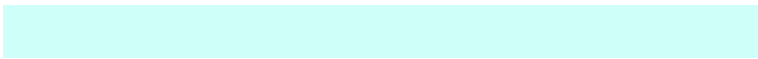
The Inverse Universe completely reimagines the original color for something new.



78.4532, 71.4616, 89.0164



75.6610, 66.7388, 85.4296



78.3585, 91.4999, 103.3863



18.4767, 18.1740, 21.1276



24.7649, 12.3952, 17.9440



2.4648, 1.2283, 2.0292

Previews

White Background



This preview shows how the XYZ color 78.4516, 71.4587, 89.0149 looks on a white background.

Color Contrast Check

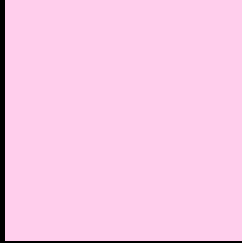
Large Text (above 18pt) WCAG AA × Fail

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 78.4516, 71.4587, 89.0149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

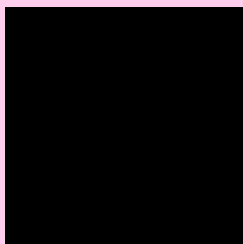
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4516, 71.4587, 89.0149

Background



This preview shows how black text looks on a background with the XYZ color 78.4516, 71.4587, 89.0149.



This preview shows how white text looks on a background with the XYZ color 78.4516, 71.4587,

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

78.4516, 71.4587, 89.0149

Protanopia

70.2759, 71.9464, 95.7711

Deuteranopia

73.3029, 71.7535, 88.5836



Tritanopia

76.5184, 71.3762, 80.2650

Trichromacy



Original Color

78.4516, 71.4587, 89.0149

Protanomaly

72.8787, 71.4329, 93.1659

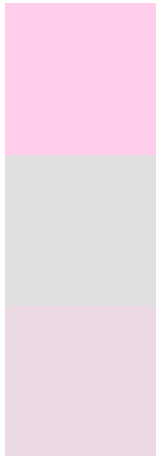
Deuteranomaly

74.9076, 71.4639, 88.4431

Tritanomaly

77.1895, 71.2979, 83.0923

Monochromacy



Original Color

78.4516, 71.4587, 89.0149

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

73.0774, 72.8893, 83.6162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4516, 71.4587, 89.0149 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, 206, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 236)  
}
```

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, 206, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 236) }
```

Border

The CSS property to change the border of an element to XYZ 78.4516, 71.4587, 89.0149 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, 206, 236) }
```


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

```
.border{ border-color:rgb(255, 206, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4516, 71.4587, 89.0149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 236) }
```

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

```
.background{ background-color: rgb(255,  
206, 236) }
```

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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