

Converting Colors

XYZ(133.5989, 100.0000,
93.7295)

Have a look what the booklet for
XYZ(133.5989, 100.0000, 93.7295)
contains.

XYZ(78.8913, 71.6346, 91.3302)	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(78.8913, 71.6346,
91.3302)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCEEF
RGB	255, 206, 239
RGB Percent	100%, 81%, 94%
CMY	0.0000, 0.1921, 0.0627
CMYK	0.00, 0.19, 0.06, 0.00
HSL	320°, 100%, 90%
HSV	320°, 19%, 100%
XYZ	78.8913, 71.6346, 91.3302
YIQ	224.4130, 18.6110, 20.6510

Conversions

Conversions Part 2

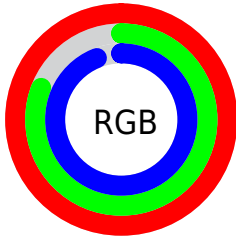
Format	Color
R _Y B	255, 206, 239
Decimal	16764655
CIE Lab	87.79, 22.51, -9.66
CIE LCh	88, 24.500, 336.766
Yxy	71.6346, 0.3262, 0.2962
Android (android.graphics.Color)	4294954735 (0xFFFFCEEFF)
YUV	224.4130, 7.1914, 26.8248
Hunter-Lab	84.6372, 18.2667, -4.7325

Details

The XYZ color **78.8913, 71.6346, 91.3302** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.4007, 89.9168, 82.5448**, and the grayscale version is **71.0892, 74.7914, 81.4478**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9026, 37.5579, 49.7879** is the 20% darker color. If you saturate the color by 10%, you get **72.0414, 59.8583, 83.1173**, and if you desaturate by 10%, it is **86.7969, 85.4311, 100.1766**.

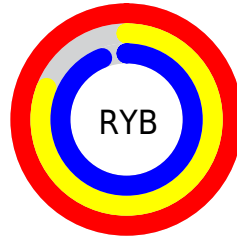
Distribution



Red (100%)

Green (81%)

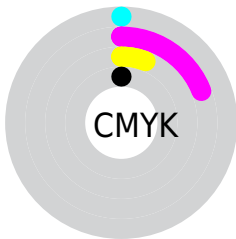
Blue (94%)



Red (100%)

Yellow (81%)

Blue (94%)

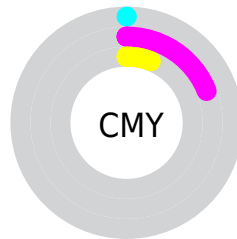


Cyan (0%)

Magenta (19%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8913, 71.6346, 91.3302 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 78.8913, 71.6346, 91.3302 by changing the saturation by 10% instead.


 78.8913, 71.6346,
91.3302

 78.8913, 71.6346,
91.3302


479.9822,
466.2688, 553.0299

 59.1118, 52.8602,
68.5045

130.7646,
121.5369, 151.1364

 42.9498, 37.6912,
49.8390


163.5890,
153.4336, 188.9539

 30.0401, 25.7431,
34.9152


201.4924,
190.4732, 232.6058

 20.0172, 16.6316,
23.3146

244.8402,
233.0402, 282.5106

 12.5159, 9.9722,
14.6185

293.9977,
281.5188, 339.0869

 7.1707, 5.3805,
8.4084

349.3303,

 3.6164, 2.4722,

336.2935, 402.7532

4.2659

411.2034,
397.7487, 473.9280

■ 1.4875, 0.8627,
1.7723

■ 0.3173, 0.0000,
0.4096

■ 78.8913, 71.6346,
91.3302

■ 78.8913, 71.6346,
91.3302

■ 72.0414, 59.8583,
83.1173

■ 86.7969, 85.4311,
100.1766

■ 66.1938, 49.9972,
75.5134

95.0500, 100.0000,
108.9000

■ 61.2973, 41.9502,
68.4987

■ 57.2943, 35.6032,
62.0502

■ 54.1206, 30.8290,
56.1423

■ 51.7031, 27.4826,
50.7467

■ 49.9547, 25.3917,
45.8303

■ 48.7454, 24.2970,
41.3453

■ 48.6606, 24.2283,
41.0065

Harmonies

Analogous

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



75.0038, 71.6346, 106.5787



78.8913, 71.6346, 91.3302



79.8096, 71.6346, 74.2839

Triad

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



78.8913, 71.6346, 91.3302



66.7771, 71.6346, 50.3144



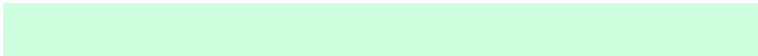
59.5130, 71.6346, 98.7873

Complementary

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



78.8913, 71.6346, 91.3302



74.4007, 89.9168, 82.5448

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.



57.5716, 71.6346, 81.8336



78.8913, 71.6346, 91.3302



61.6082, 71.6346, 55.0463

Square

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



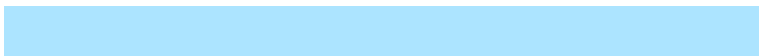
78.8913, 71.6346, 91.3302



72.5952, 71.6346, 52.1082



58.3163, 71.6346, 66.0306



63.7685, 71.6346, 111.2945

Rectangle

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



78.8913, 71.6346, 91.3302



78.5702, 71.6346, 64.4417



58.3163, 71.6346, 66.0306



58.5795, 71.6346, 93.3332

Sweetspot

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



78.8929, 71.6375, 91.3317



89.5678, 90.3061, 103.1558



70.1003, 66.8194, 103.8105



19.0487, 19.1133, 21.9488



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.



78.8929, 71.6375, 91.3317



76.1773, 66.9453, 88.1481



75.5769, 70.3111, 73.8700



18.5256, 18.1935, 21.3849



25.4979, 12.6884, 21.8040



2.5329, 1.2556, 2.3879

Inverse Universe

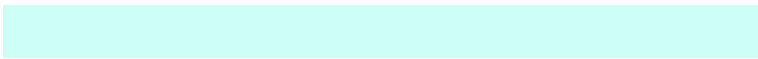
The Inverse Universe completely reimagines the original color for something new.



78.8929, 71.6375, 91.3317



76.1773, 66.9453, 88.1481



77.8525, 91.2976, 100.7220



18.5256, 18.1935, 21.3849



25.4979, 12.6884, 21.8040



2.5329, 1.2556, 2.3879

Previews

White Background



This preview shows how the XYZ color 78.8913, 71.6346, 91.3302 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 78.8913, 71.6346, 91.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

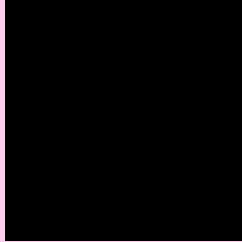
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.8913, 71.6346, 91.3302

Background



This preview shows how black text looks on a background with the XYZ color 78.8913, 71.6346, 91.3302.



This preview shows how white text looks on a background with the XYZ color 78.8913, 71.6346,

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

78.8913, 71.6346, 91.3302

Protanopia

70.4389, 71.9774, 98.1762

Deuteranopia

73.2643, 71.7000, 90.0988



Tritanopia

76.6545, 71.4306, 80.9815

Trichromacy



Original Color

78.8913, 71.6346, 91.3302

Protanomaly

73.0088, 71.4478, 95.5308

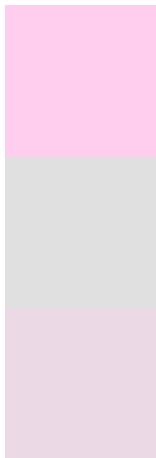
Deuteranomaly

75.3448, 71.6388, 90.7455

Tritanomaly

77.4688, 71.4096, 84.5633

Monochromacy



Original Color

78.8913, 71.6346, 91.3302

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

73.2167, 72.9450, 84.3496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8913, 71.6346, 91.3302 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 239) }
```

Border

The CSS property to change the border of an element to XYZ 78.8913, 71.6346, 91.3302 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, 239) }
```


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

```
.border{ border-color:rgb(255, 206, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8913, 71.6346, 91.3302 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, 239) }
```

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

```
.background{ background-color: rgb(255,  
206, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor