

Converting Colors

XYZ(77.2977, 68.2813, 91.3108)

Have a look what the booklet for
XYZ(77.2977, 68.2813, 91.3108)
contains.

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Color

**XYZ(77.3916, 68.3981,
91.5613)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC7F0
RGB	255, 199, 240
RGB Percent	100%, 78%, 94%
CMY	0.0000, 0.2196, 0.0588
CMYK	0.00, 0.22, 0.06, 0.00
HSL	316°, 100%, 89%
HSV	316°, 22%, 100%
XYZ	77.3916, 68.3981, 91.5613
YIQ	220.4180, 20.2150, 24.6230

Conversions

Conversions Part 2

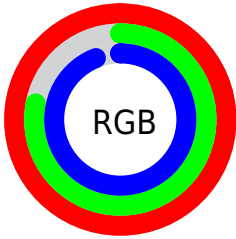
Format	Color
R_{YB}	255, 199, 240
Decimal	16762864
CIE _{Lab}	86.21, 26.36, -12.56
CIE _{LCh}	86, 29.198, 334.521
Yxy	68.3981, 0.3261, 0.2882
Android (android.graphics.Color)	4294952944 (0xFFFFC7F0)
YUV	220.4180, 9.6539, 30.3284
Hunter-Lab	82.7031, 22.3055, -7.7482

Details

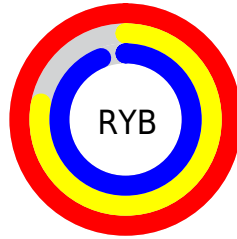
The XYZ color **77.3916, 68.3981, 91.5613** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.4529, 88.5182, 76.9411**, and the grayscale version is **68.2456, 71.7997, 78.1899**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0658, 35.7173, 50.0244** is the 20% darker color. If you saturate the color by 10%, you get **71.0132, 57.2345, 84.5234**, and if you desaturate by 10%, it is **84.7944, 81.5486, 99.1310**.

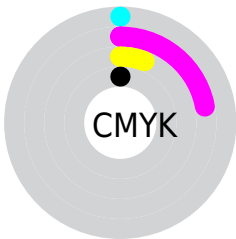
Distribution



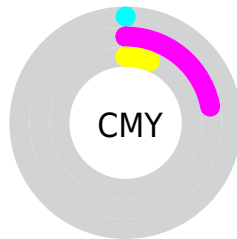
- Red (100%)
- Green (78%)
- Blue (94%)



- Red (100%)
- Yellow (78%)
- Blue (94%)



- Cyan (0%)
- Magenta (22%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.3916, 68.3981, 91.5613 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 77.3916, 68.3981, 91.5613 by changing the saturation by 10% instead.


 77.3916, 68.3981,
91.5613

 77.3916, 68.3981,
91.5613


474.9696,
454.9052, 553.7973

 57.8754, 50.2217,
68.6953

128.6620,
116.9215, 151.4596

 41.9513, 35.5896,
49.9934

161.1469,
148.0372, 189.3291

 29.2541, 24.1174,
35.0370


198.6855,
184.2348, 233.0367

 19.4184, 15.4207,
23.4076

241.6430,
225.8988, 283.0011

 12.0788, 9.1152,
14.6866

290.3848,
273.4134, 339.6409

 6.8699, 4.8164,
8.4556

345.2762,

 3.4265, 2.1399,

327.1630, 403.3745

4.2959

406.6828,
387.5322, 474.6204

■ 1.3831, 0.6869,
1.7890

■ 0.2441, 0.0000,
0.4207

■ 77.3916, 68.3981,
91.5613

■ 77.3916, 68.3981,
91.5613

■ 71.0132, 57.2345,
84.5234

■ 84.7944, 81.5486,
99.1310

■ 65.6051, 47.9513,
77.9944

■ 93.2628, 96.7690,
107.2454

■ 61.1152, 40.4450,
71.9559

95.0500, 100.0000,
108.9000

■ 57.4848, 34.5983,
66.3860

■ 54.6478, 30.2800,
61.2607

■ 52.5282, 27.3388,
56.5525

■ 51.0345, 25.5925,
52.2285

■ 50.1770, 24.8348,
48.9918

Harmonies

Analogous

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



72.6144, 68.3981, 109.3289



77.3916, 68.3981, 91.5613



78.7666, 68.3981, 71.5938

Triad

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



77.3916, 68.3981, 91.5613



63.9967, 68.3981, 43.3294



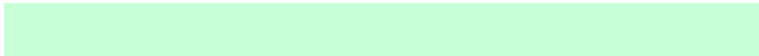
54.9311, 68.3981, 97.4851

Complementary

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



77.3916, 68.3981, 91.5613



71.4529, 88.5182, 76.9411

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.



52.9569, 68.3981, 77.4303



77.3916, 68.3981, 91.5613



57.9566, 68.3981, 47.9470

Square

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



77.3916, 68.3981, 91.5613



70.7310, 68.3981, 45.8040



54.0255, 68.3981, 59.6568



59.6067, 68.3981, 113.1416

Rectangle

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



77.3916, 68.3981, 91.5613



77.4942, 68.3981, 60.1420



54.0255, 68.3981, 59.6568



53.9448, 68.3981, 90.9190

Sweetspot

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



77.3931, 68.4009, 91.5627



88.8573, 88.8311, 103.0852



66.1881, 62.3563, 103.1552



18.9102, 18.8179, 21.9599



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.



77.3931, 68.4009, 91.5627



74.6944, 63.6548, 88.6551



73.5574, 66.8666, 71.3641



18.5728, 18.2124, 21.6334



26.2840, 13.0029, 25.9437



2.6047, 1.2842, 2.7656

Inverse Universe

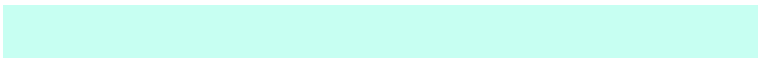
The Inverse Universe completely reimagines the original color for something new.



77.3931, 68.4009, 91.5627



74.6944, 63.6548, 88.6551



75.3319, 90.0698, 97.3678



18.5728, 18.2124, 21.6334



26.2840, 13.0029, 25.9437



2.6047, 1.2842, 2.7656

Previews

White Background



This preview shows how the XYZ color 77.3916, 68.3981, 91.5613 looks on a white background.

Color Contrast Check

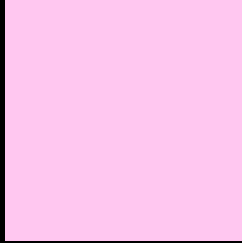
Large Text (above 18pt) WCAG AA × Fail

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 77.3916, 68.3981, 91.5613 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 77.3916, 68.3981, 91.5613

Background



This preview shows how black text looks on a background with the XYZ color 77.3916, 68.3981, 91.5613.



This preview shows how white text looks on a background with the XYZ color 77.3916, 68.3981,

91.5613.

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

77.3916, 68.3981, 91.5613

Protanopia

67.8802, 68.6969, 100.1246

Deuteranopia

70.1578, 68.5971, 90.4318



Tritanopia

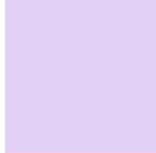
74.1557, 68.4693, 75.6371

Trichromacy



Original Color

77.3916, 68.3981, 91.5613



Protanomaly

70.7990, 68.4235, 96.6643



Deuteranomaly

72.5763, 68.3791, 91.0347



Tritanomaly

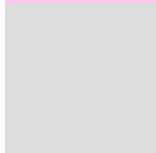
75.3560, 68.6147, 81.2238

Monochromacy



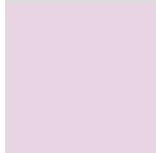
Original Color

77.3916, 68.3981, 91.5613



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

71.0129, 69.9567, 82.4332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3916, 68.3981, 91.5613 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, 199, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 240)  
}
```

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, 199, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 240) }
```

Border

The CSS property to change the border of an element to XYZ 77.3916, 68.3981, 91.5613 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, 199, 240) }
```


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

```
.border{ border-color:rgb(255, 199, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3916, 68.3981, 91.5613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 240) }
```

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

```
.background{ background-color: rgb(255,  
199, 240) }
```

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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