

Converting Colors

XYZ(77.4397, 72.7953,
106.5219)

Have a look what the booklet for
XYZ(77.4397, 72.7953, 106.5219)
contains.

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Color

**XYZ(77.1901, 72.6577,
104.5637)**

Conversions

Conversions Part 1

Format	Color
Hex	EFD4FF
RGB	239, 212, 255
RGB Percent	94%, 83%, 100%
CMY	0.0627, 0.1686, 0.0000
CMYK	0.06, 0.17, 0.00, 0.00
HSL	278°, 100%, 92%
HSV	278°, 17%, 100%
XYZ	77.1901, 72.6577, 104.5637
YIQ	224.9750, 2.2890, 19.0970

Conversions

Conversions Part 2

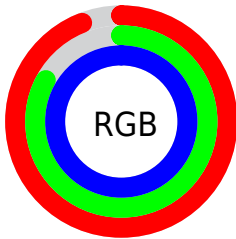
Format	Color
R _Y B	239, 212, 255
Decimal	15717631
CIE Lab	88.28, 16.99, -17.52
CIE LCh	88, 24.406, 314.124
Yxy	72.6577, 0.3034, 0.2856
Android (android.graphics.Color)	4293907711 (0xFFEFD4FF)
YUV	224.9750, 14.8023, 12.2999
Hunter-Lab	85.2395, 12.4747, -13.0637

Details

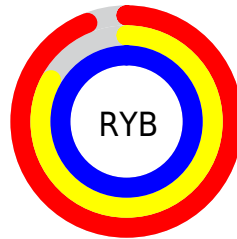
The XYZ color **77.1901, 72.6577, 104.5637** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.6403, 92.7683, 75.9995**, and the grayscale version is **71.4478, 75.1686, 81.8586**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7785, 38.2584, 58.6087** is the 20% darker color. If you saturate the color by 10%, you get **68.1928, 59.2938, 102.4584**, and if you desaturate by 10%, it is **87.3662, 88.1276, 107.0134**.

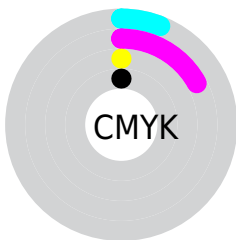
Distribution



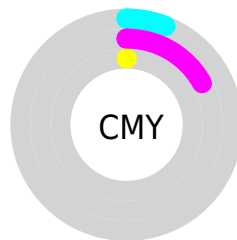
- Red (94%)
- Green (83%)
- Blue (100%)



- Red (94%)
- Yellow (83%)
- Blue (100%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1901, 72.6577, 104.5637 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 77.1901, 72.6577, 104.5637 by changing the saturation by 10% instead.

77.1901, 72.6577,
104.5637

77.1901, 72.6577,
104.5637

474.2939,
469.8276, 596.0985

57.7094, 53.6961,
79.4793

128.3792,
122.9911, 169.5211

41.8174, 38.3588,
58.7663

160.8183,
155.1318, 210.2312

29.1488, 26.2613,
42.0062

198.3076,
192.4343, 256.9869

19.3383, 17.0192,
28.7806

241.2124,
235.2829, 310.2067

12.0204, 10.2482,
18.6707

289.8981,
284.0622, 370.3092

6.8299, 5.5638,
11.2582

344.7300,

3.4013, 2.5817,

339.1565, 437.7130

6.1244

406.0735,
400.9501, 512.8366

■ 1.3694, 0.9175,
2.8509

■ 0.2342, 0.0000,
1.0190

■ 77.1901, 72.6577,
104.5637

■ 77.1901, 72.6577,
104.5637

■ 68.1928, 59.2938,
102.4584

■ 87.3662, 88.1276,
107.0134

■ 60.3187, 47.9312,
100.6802

95.0500, 100.0000,
108.9000

■ 53.5161, 38.4699,
99.2126

■ 47.7270, 30.7973,
98.0367

■ 42.8867, 24.7885,
97.1320

■ 38.9226, 20.3023,
96.4750

■ 35.7496, 17.1728,
96.0382

■ 33.2606, 15.1904,
95.7867

■ 32.5705, 14.7056,
95.7295

Harmonies

Analogous

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



71.8403, 72.6577, 114.6461



77.1901, 72.6577, 104.5637



80.4534, 72.6577, 88.2561

Triad

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



77.1901, 72.6577, 104.5637



72.1821, 72.6577, 51.9951



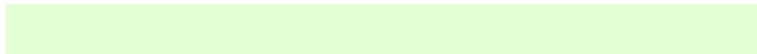
58.7147, 72.6577, 87.2361

Complementary

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



77.1901, 72.6577, 104.5637



79.6403, 92.7683, 75.9995

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.



58.7946, 72.6577, 70.6222



77.1901, 72.6577, 104.5637



66.3504, 72.6577, 51.8025

Square

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



77.1901, 72.6577, 104.5637



77.4525, 72.6577, 58.7362



61.5199, 72.6577, 58.1666



61.2949, 72.6577, 103.7266

Rectangle

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



77.1901, 72.6577, 104.5637



80.8970, 72.6577, 76.8179



61.5199, 72.6577, 58.1666



58.4361, 72.6577, 81.4511

Sweetspot

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



77.1921, 72.6607, 104.5642



89.3927, 91.2445, 107.5082



73.0804, 76.9728, 105.6132



18.9688, 19.2762, 22.9709



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.



77.1921, 72.6607, 104.5642



74.2427, 68.2426, 103.8669



82.0376, 75.2508, 100.6303



18.0992, 17.9429, 22.7593



17.1894, 7.7719, 50.0287



1.7945, 0.8190, 4.8768

Inverse Universe

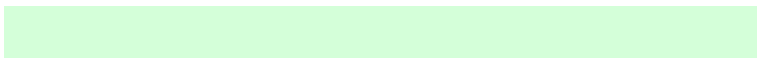
The Inverse Universe completely reimagines the original color for something new.



78.7889, 73.9513, 83.5226



76.1490, 69.7722, 79.2495



75.4401, 90.5287, 79.1579



18.2889, 18.0989, 20.1383



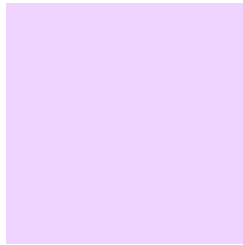
22.6914, 11.5658, 7.0251



2.2601, 1.1464, 0.9512

Previews

White Background



This preview shows how the XYZ color 77.1901, 72.6577, 104.5637 looks on a white background.

Color Contrast Check

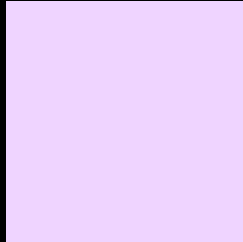
Large Text (above 18pt) WCAG AA × Fail

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 77.1901, 72.6577, 104.5637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

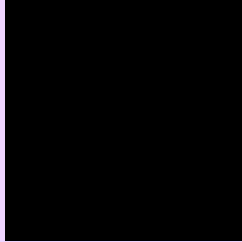
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.1901, 72.6577, 104.5637

Background



This preview shows how black text looks on a background with the XYZ color 77.1901, 72.6577, 104.5637.



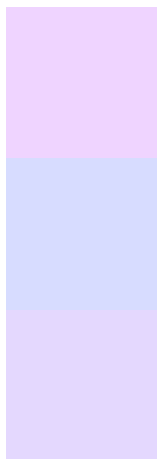
This preview shows how white text looks on a background with the XYZ color 77.1901, 72.6577,

104.5637.

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

77.1901, 72.6577, 104.5637

Protanopia

71.6675, 72.8535, 104.8926

Deuteranopia

74.4402, 72.7615, 103.8869



Tritanopia

73.8559, 72.8278, 87.2553

Trichromacy



Original Color

77.1901, 72.6577, 104.5637

Protanomaly

73.6033, 72.6930, 104.7596

Deuteranomaly

75.4685, 72.9124, 103.8618

Tritanomaly

75.1027, 72.9563, 93.3427

Monochromacy



Original Color

77.1901, 72.6577, 104.5637

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

73.3666, 74.0655, 89.7861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1901, 72.6577, 104.5637 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(239, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 212, 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(239, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.1901, 72.6577, 104.5637 is called "border". The border property can be set on classes, ids or directly on the HTML element.

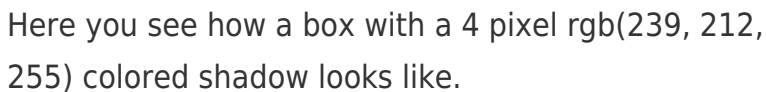
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 212, 255) }
```


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

```
.border{ border-color:rgb(239, 212, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(239, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 212, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 212, 255); box-shadow:4px 4px 4px 4px rgb(239, 212, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1901, 72.6577, 104.5637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 212, 255) }
```

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

```
.background{ background-color: rgb(239,  
212, 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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