

Converting Colors

XYZ(77.4716, 72.8047,
104.5773)

Have a look what the booklet for
XYZ(77.4716, 72.8047, 104.5773)
contains.

XYZ(77.5287, 72.8322, 104.5796)	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(77.5287, 72.8322,
104.5796)**

Conversions

Conversions Part 1

Format	Color
Hex	F0D4FF
RGB	240, 212, 255
RGB Percent	94%, 83%, 100%
CMY	0.0588, 0.1686, 0.0000
CMYK	0.06, 0.17, 0.00, 0.00
HSL	279°, 100%, 92%
HSV	279°, 17%, 100%
XYZ	77.5287, 72.8322, 104.5796
YIQ	225.2740, 2.8850, 19.3090

Conversions

Conversions Part 2

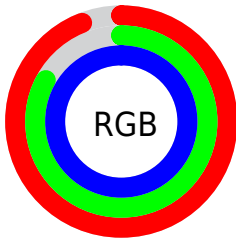
Format	Color
R _Y B	240, 212, 255
Decimal	15783167
CIE Lab	88.37, 17.31, -17.39
CIE LCh	88, 24.535, 314.880
Yxy	72.8322, 0.3041, 0.2857
Android (android.graphics.Color)	4293973247 (0xFFFF0D4FF)
YUV	225.2740, 14.6549, 12.9147
Hunter-Lab	85.3418, 12.8101, -12.9160

Details

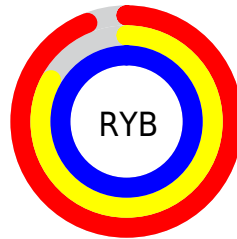
The XYZ color **77.5287, 72.8322, 104.5796** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.3239, 92.6051, 75.9846**, and the grayscale version is **71.6633, 75.3954, 82.1055**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0172, 38.3815, 58.6199** is the 20% darker color. If you saturate the color by 10%, you get **68.7051, 59.5578, 102.4824**, and if you desaturate by 10%, it is **87.5110, 88.2022, 107.0201**.

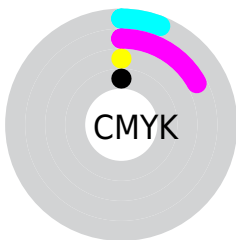
Distribution



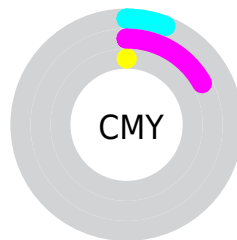
- Red (94%)
- Green (83%)
- Blue (100%)



- 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 77.5287, 72.8322, 104.5796 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 77.5287, 72.8322, 104.5796 by changing the saturation by 10% instead.

77.5287, 72.8322,
104.5796

77.5287, 72.8322,
104.5796

475.4291,
470.4330, 596.1492

57.9883, 53.8388,
79.4925

128.8544,
123.2390, 169.5431

42.0425, 38.4728,
58.7771

161.3705,
155.4211, 210.2565

29.3258, 26.3498,
42.0149

198.9425,
192.7682, 257.0158

19.4730, 17.0855,
28.7873

241.9358,
235.6648, 310.2395

12.1186, 10.2955,
18.6758

290.7157,
284.4952, 370.3462

6.8972, 5.5953,
11.2618

345.6477,

3.4437, 2.6006,

339.6437, 437.7543

6.1268

407.0970,
401.4949, 512.8825

■ 1.3925, 0.9270,
2.8523

■ 0.2509, 0.0000,
1.0197

■ 77.5287, 72.8322,
104.5796

■ 77.5287, 72.8322,
104.5796

■ 68.7051, 59.5578,
102.4824

■ 87.5110, 88.2022,
107.0201

■ 60.9849, 48.2746,
100.7114

95.0500, 100.0000,
108.9000

■ 54.3171, 38.8828,
99.2500

■ 48.6440, 31.2700,
98.0796

■ 43.9016, 25.3117,
97.1795

■ 40.0176, 20.8668,
96.5263

■ 36.9075, 17.7697,
96.0924

■ 34.4649, 15.8112,
95.8431

■ 33.7860, 15.3322,
95.7864

Harmonies

Analogous

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



72.1744, 72.8322, 114.9654



77.5287, 72.8322, 104.5796



80.7452, 72.8322, 88.0676

Triad

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



77.5287, 72.8322, 104.5796



72.2215, 72.8322, 51.9275



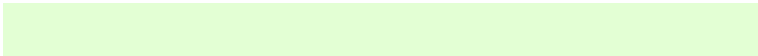
58.8449, 72.8322, 87.9271

Complementary

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



77.5287, 72.8322, 104.5796



79.3239, 92.6051, 75.9846

Split Complementary

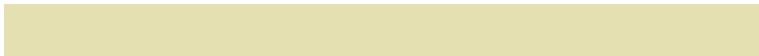
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.8559, 72.8322, 71.1380



77.5287, 72.8322, 104.5796



66.3567, 72.8322, 51.9010

Square

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



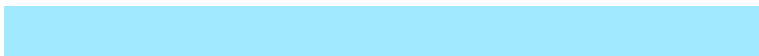
77.5287, 72.8322, 104.5796



77.5648, 72.8322, 58.5440



61.5361, 72.8322, 58.4657



61.5051, 72.8322, 104.4643

Rectangle

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



77.5287, 72.8322, 104.5796



81.1348, 72.8322, 76.5742



61.5361, 72.8322, 58.4657



58.5415, 72.8322, 82.0936

Sweetspot

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



77.5307, 72.8352, 104.5800



89.4992, 91.2994, 107.5132



72.6866, 76.1852, 105.4820



18.9947, 19.2896, 22.9721



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.



77.5307, 72.8352, 104.5800



74.6380, 68.4464, 103.8854



81.8137, 75.1611, 99.4511



18.1416, 17.9647, 22.7613



17.8214, 8.0978, 50.0583



1.8533, 0.8493, 4.8795

Inverse Universe

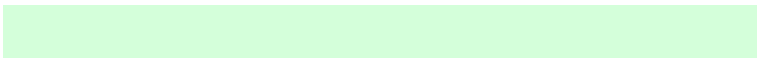
The Inverse Universe completely reimagines the original color for something new.



78.6503, 73.8958, 82.7933



75.9896, 69.7084, 78.4100



75.6273, 90.6036, 80.1441



18.2710, 18.0917, 20.0441



22.5533, 11.5106, 6.2984



2.2453, 1.1405, 0.8729

Previews

White Background



This preview shows how the XYZ color 77.5287, 72.8322, 104.5796 looks on a white background.

Color Contrast Check

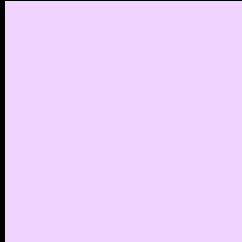
Large Text (above 18pt) WCAG AA × Fail

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 77.5287, 72.8322, 104.5796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

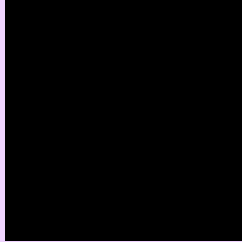
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.5287, 72.8322, 104.5796

Background



This preview shows how black text looks on a background with the XYZ color 77.5287, 72.8322, 104.5796.



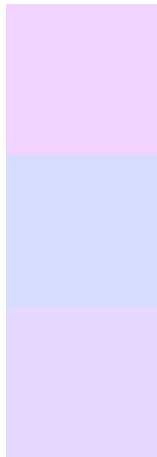
This preview shows how white text looks on a background with the XYZ color 77.5287, 72.8322,

104.5796.

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

77.5287, 72.8322, 104.5796

Protanopia

71.6675, 72.8535, 104.8926

Deuteranopia

74.4402, 72.7615, 103.8869



Tritanopia

74.1889, 72.9995, 87.2709

Trichromacy



Original Color

77.5287, 72.8322, 104.5796

Protanomaly

73.6033, 72.6930, 104.7596

Deuteranomaly

75.4685, 72.9124, 103.8618

Tritanomaly

75.4375, 73.1289, 93.3584

Monochromacy



Original Color

77.5287, 72.8322, 104.5796

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 77.5287, 72.8322, 104.5796 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(240, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.5287, 72.8322, 104.5796 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(240, 212, 255) }
```


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

```
.border{ border-color:rgb(240, 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(240, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5287, 72.8322, 104.5796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 212, 255) }
```

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

```
.background{ background-color: rgb(240,  
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](#).

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