

Converting Colors

XYZ(81.3305, 68.2696,
149.5305)

Have a look what the booklet for
XYZ(81.3305, 68.2696, 149.5305)
contains.

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Color

**XYZ(72.3820, 64.5327,
103.2489)**

Conversions

Conversions Part 1

Format	Color
Hex	ECC4FF
RGB	236, 196, 255
RGB Percent	93%, 77%, 100%
CMY	0.0745, 0.2314, 0.0000
CMYK	0.07, 0.23, 0.00, 0.00
HSL	281°, 100%, 88%
HSV	281°, 23%, 100%
XYZ	72.3820, 64.5327, 103.2489
YIQ	214.6860, 4.9010, 26.8290

Conversions

Conversions Part 2

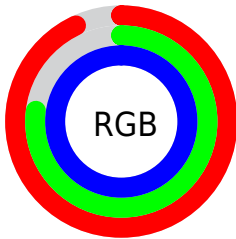
Format	Color
R _Y B	236, 196, 255
Decimal	15516927
CIE Lab	84.24, 24.52, -23.66
CIE LCh	84, 34.071, 316.024
Yxy	64.5327, 0.3014, 0.2687
Android (android.graphics.Color)	4293707007 (0xFFECC4FF)
YUV	214.6860, 19.8748, 18.6924
Hunter-Lab	80.3322, 20.2529, -19.9713

Details

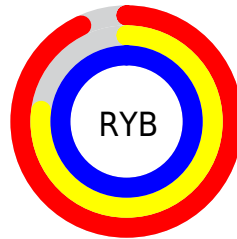
The XYZ color **72.3820, 64.5327, 103.2489** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.7496, 89.9533, 65.7033**, and the grayscale version is **64.2483, 67.5942, 73.6101**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **38.6884, 33.1265, 57.7810** is the 20% darker color. If you saturate the color by 10%, you get **64.4480, 52.6189, 101.3674**, and if you desaturate by 10%, it is **81.4225, 78.4714, 105.4628**.

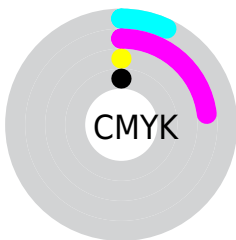
Distribution



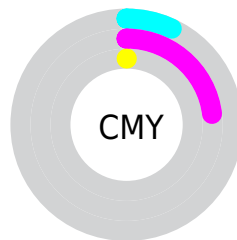
- Red (93%)
- Green (77%)
- Blue (100%)



- Red (93%)
- Yellow (77%)
- Blue (100%)



- Cyan (7%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3820, 64.5327, 103.2489 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 72.3820, 64.5327, 103.2489 by changing the saturation by 10% instead.

72.3820, 64.5327,
103.2489

72.3820, 64.5327,
103.2489

458.0071,
441.1108, 591.8949

53.7574, 47.0823,
78.3846

121.6073,
111.3778, 167.7055

38.6376, 33.1007,
57.8717

152.9388,
141.5412, 208.1349

26.6574, 22.2036,
41.2915

189.2365,
176.7110, 254.5897

17.4513, 14.0066,
28.2255

230.8659,
217.2717, 307.4886

10.6541, 8.1252,
18.2552

278.1923,
263.6076, 367.2500

5.9003, 4.1752,
10.9620

331.5811,

2.8246, 1.7720,

316.1032, 434.2925

5.9275

391.3976,
375.1428, 509.0346

■ 1.0617, 0.4697,
2.7329

■ 0.0000, 0.0000,
0.9599

■ 72.3820, 64.5327,
103.2489

■ 72.3820, 64.5327,
103.2489

■ 64.4480, 52.6189,
101.3674

■ 81.4225, 78.4714,
105.4628

■ 57.5640, 42.6223,
99.8007

■ 91.6115, 94.5196,
108.0234

■ 51.6763, 34.4373,
98.5312

95.0500, 100.0000,
108.9000

■ 46.7241, 27.9446,
97.5390

■ 42.6389, 23.0102,
96.8018

■ 39.3420, 19.4791,
96.2940

■ 36.7381, 17.1634,
95.9843

■ 35.2577, 16.0909,
95.8553

Harmonies

Analogous

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



65.4296, 64.5327, 118.2515



72.3820, 64.5327, 103.2489



76.5217, 64.5327, 80.7865

Triad

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



72.3820, 64.5327, 103.2489



64.9078, 64.5327, 37.1622



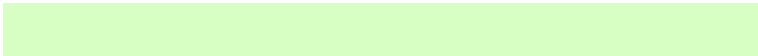
48.4206, 64.5327, 82.3720

Complementary

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



72.3820, 64.5327, 103.2489



73.7496, 89.9533, 65.7033

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.



48.3059, 64.5327, 60.6994



72.3820, 64.5327, 103.2489



57.4175, 64.5327, 37.4143

Square

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



72.3820, 64.5327, 103.2489



71.9731, 64.5327, 44.4023



51.4759, 64.5327, 45.1805



51.8030, 64.5327, 104.6129

Rectangle

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



72.3820, 64.5327, 103.2489



76.9273, 64.5327, 65.9934



51.4759, 64.5327, 45.1805



48.0086, 64.5327, 74.7173

Sweetspot

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



72.3838, 64.5354, 103.2493



87.5344, 88.0613, 106.9917



65.2877, 67.8993, 104.2726



18.6031, 18.6391, 22.8672



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.



72.3838, 64.5354, 103.2493



68.3886, 58.4920, 102.2934



77.4881, 67.3450, 95.4352



18.1906, 17.9900, 22.7636



18.5857, 8.4918, 50.0941



1.9239, 0.8857, 4.8828

Inverse Universe

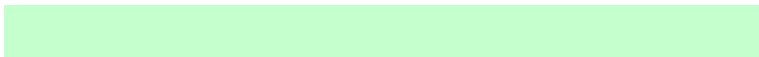
The Inverse Universe completely reimagines the original color for something new.



73.2472, 65.6486, 73.1029



69.5103, 59.8601, 66.6613



69.6471, 87.7048, 71.5470



18.2504, 18.0835, 19.9360



22.4070, 11.4521, 5.5278



2.2292, 1.1340, 0.7882

Previews

White Background



This preview shows how the XYZ color 72.3820, 64.5327, 103.2489 looks on a white background.

Color Contrast Check

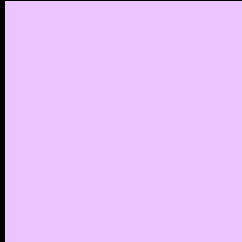
Large Text (above 18pt) WCAG AA × Fail

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 72.3820, 64.5327, 103.2489 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 72.3820, 64.5327, 103.2489

Background



This preview shows how black text looks on a background with the XYZ color 72.3820, 64.5327, 103.2489.



This preview shows how white text looks on a background with the XYZ color 72.3820, 64.5327,

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

72.3820, 64.5327, 103.2489

Protanopia

64.4037, 64.9630, 103.7524

Deuteranopia

66.3793, 64.9361, 101.9639



Tritanopia

66.7752, 64.6493, 75.9770

Trichromacy



Original Color

72.3820, 64.5327, 103.2489

Protanomaly

66.7942, 64.4028, 103.5183

Deuteranomaly

68.2233, 64.4569, 102.6116

Tritanomaly

68.4985, 64.2906, 85.1430

Monochromacy



Original Color

72.3820, 64.5327, 103.2489

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

67.2702, 66.5129, 84.1557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3820, 64.5327, 103.2489 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(236, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 196, 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(236, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.3820, 64.5327, 103.2489 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(236, 196, 255) }
```


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

```
.border{ border-color:rgb(236, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3820, 64.5327, 103.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 196, 255) }
```

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

```
.background{ background-color: rgb(236,  
196, 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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