

Converting Colors

XYZ(83.8161, 76.3750,
112.3343)

Have a look what the booklet for
XYZ(83.8161, 76.3750, 112.3343)
contains.

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Color

**XYZ(82.3523, 75.6911,
104.8772)**

Conversions

Conversions Part 1

Format	Color
Hex	FDD5FF
RGB	253, 213, 255
RGB Percent	99%, 84%, 100%
CMY	0.0078, 0.1647, 0.0000
CMYK	0.01, 0.16, 0.00, 0.00
HSL	297°, 100%, 92%
HSV	297°, 16%, 100%
XYZ	82.3523, 75.6911, 104.8772
YIQ	229.7480, 10.3580, 21.5420

Conversions

Conversions Part 2

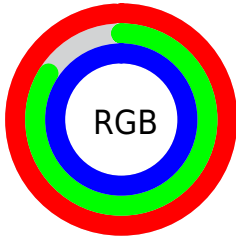
Format	Color
R _Y B	253, 213, 255
Decimal	16635391
CIE Lab	89.72, 21.00, -15.25
CIE LCh	90, 25.949, 324.012
Yxy	75.6911, 0.3132, 0.2879
Android (android.graphics.Color)	4294825471 (0xFFFDD5FF)
YUV	229.7480, 12.4492, 20.3920
Hunter-Lab	87.0006, 16.7119, -10.5722

Details

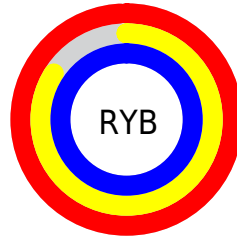
The XYZ color **82.3523, 75.6911, 104.8772** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.7963, 90.7720, 76.4803**, and the grayscale version is **74.9349, 78.8374, 85.8539**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1849, 40.2667, 58.8168** is the 20% darker color. If you saturate the color by 10%, you get **75.9961, 63.6315, 102.8844**, and if you desaturate by 10%, it is **89.7238, 89.7753, 107.2072**.

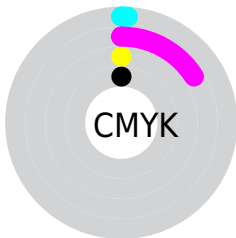
Distribution



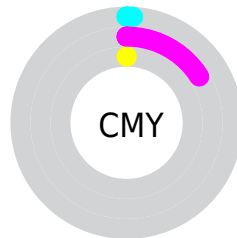
- Red (99%)
- Green (84%)
- Blue (100%)



- Red (99%)
- Yellow (84%)
- Blue (100%)



- Cyan (1%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3523, 75.6911, 104.8772 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 82.3523, 75.6911, 104.8772 by changing the saturation by 10% instead.

82.3523, 75.6911,
104.8772

82.3523, 75.6911,
104.8772

491.4420,
480.2896, 597.0985

61.9711, 56.1792,
79.7404

135.6012,
127.2902, 169.9537

45.2648, 40.3467,
58.9798

169.1995,
160.1462, 210.7305

31.8682, 27.8089,
42.1770

207.9343,
198.2190, 257.5576

21.4159, 18.1817,
28.9133

252.1709,
241.8931, 310.8538

13.5426, 11.0805,
18.7702

302.2746,
291.5528, 371.0374

7.8828, 6.1210,
11.3292

358.6108,

4.0712, 2.9188,

347.5825, 438.5270

6.1718

421.5448,
410.3667, 513.7412

■ 1.7425, 1.0895,
2.8793

■ 0.4826, 0.0000,
1.0334

■ 82.3523, 75.6911,
104.8772

■ 82.3523, 75.6911,
104.8772

■ 75.9961, 63.6315,
102.8844

■ 89.7238, 89.7753,
107.2072

■ 70.6021, 53.4931,
101.2118

95.0500, 100.0000,
108.9000

■ 66.1216, 45.1774,
99.8429

■ 62.4992, 38.5737,
98.7591

■ 59.6735, 33.5593,
97.9402

■ 57.5748, 29.9949,
97.3628

■ 56.1216, 27.7174,
96.9998

■ 55.2120, 26.5228,
96.8172

■ 54.9663, 26.2510,
96.7777

Harmonies

Analogous

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



77.0603, 75.6911, 118.9309



82.3523, 75.6911, 104.8772



84.8711, 75.6911, 86.1416

Triad

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



82.3523, 75.6911, 104.8772



73.2319, 75.6911, 52.1300



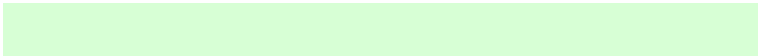
61.2890, 75.6911, 97.5843

Complementary

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



82.3523, 75.6911, 104.8772



75.7963, 90.7720, 76.4803

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.



60.3977, 75.6911, 78.7970



82.3523, 75.6911, 104.8772



67.0557, 75.6911, 54.2615

Square

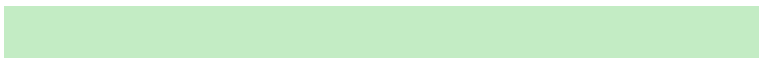
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3523, 75.6911, 104.8772



79.4087, 75.6911, 57.0882



62.4484, 75.6911, 63.4130



64.9589, 75.6911, 114.3031

Rectangle

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



82.3523, 75.6911, 104.8772



84.5381, 75.6911, 74.1824



62.4484, 75.6911, 63.4130



60.6639, 75.6911, 91.2346

Sweetspot

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



82.3543, 75.6943, 104.8777



90.8938, 92.0183, 107.5784



69.8194, 70.0215, 104.4434



19.3346, 19.4647, 22.9880



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.



82.3543, 75.6943, 104.8777



79.9957, 71.2084, 104.1361



80.1909, 74.9134, 89.6682



18.7022, 18.2537, 22.7876



28.7584, 13.7360, 50.5702



2.8254, 1.3505, 4.9250

Inverse Universe

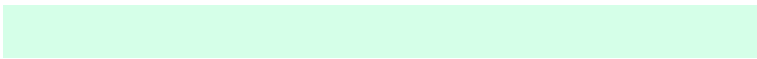
The Inverse Universe completely reimagines the original color for something new.



77.3019, 73.7578, 74.4549



74.0254, 68.9227, 68.0665



77.7539, 91.4876, 89.8326



18.0444, 18.0011, 18.8510



21.5986, 11.1287, 1.2710



2.1147, 1.0883, 0.1857

Previews

White Background



This preview shows how the XYZ color 82.3523, 75.6911, 104.8772 looks on a white background.

Color Contrast Check

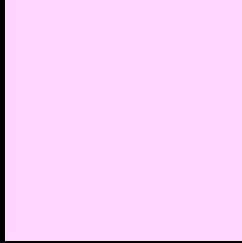
Large Text (above 18pt) WCAG AA × Fail

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 82.3523, 75.6911, 104.8772 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 82.3523, 75.6911, 104.8772

Background



This preview shows how black text looks on a background with the XYZ color 82.3523, 75.6911, 104.8772.



This preview shows how white text looks on a background with the XYZ color 82.3523, 75.6911,

104.8772.

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

82.3523, 75.6911, 104.8772

Protanopia

74.2209, 75.7470, 105.3165

Deuteranopia

77.7435, 76.0043, 104.3387



Tritanopia

79.0885, 75.8902, 88.3218

Trichromacy



Original Color

82.3523, 75.6911, 104.8772

Protanomaly

76.9219, 75.5622, 105.1385

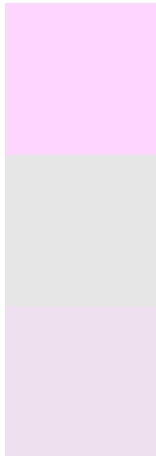
Deuteranomaly

79.3202, 75.6587, 104.1889

Tritanomaly

80.3665, 76.0318, 94.4442

Monochromacy



Original Color

82.3523, 75.6911, 104.8772

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

77.4955, 77.7204, 92.5784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3523, 75.6911, 104.8772 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(253, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 213, 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(253, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.3523, 75.6911, 104.8772 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(253, 213, 255) }
```


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

```
.border{ border-color:rgb(253, 213, 255) }
```

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

Here you see how a box with a 4 pixel rgb(253, 213, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3523, 75.6911, 104.8772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 213, 255) }
```

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

```
.background{ background-color: rgb(253,  
213, 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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