

# Converting Colors

XYZ(87.6136, 69.0049, 96.8437)

Have a look what the booklet for  
XYZ(87.6136, 69.0049, 96.8437)  
contains.

<b>XYZ(75.3775, 62.6733, 96.1200)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(75.3775, 62.6733,  
96.1200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB9F7
RGB	255, 185, 247
RGB Percent	100%, 73%, 97%
CMY	0.0000, 0.2745, 0.0314
CMYK	0.00, 0.27, 0.03, 0.00
HSL	307°, 100%, 86%
HSV	307°, 27%, 100%
XYZ	75.3775, 62.6733, 96.1200
YIQ	212.9980, 21.8180, 34.1220

# Conversions

## Conversions Part 2

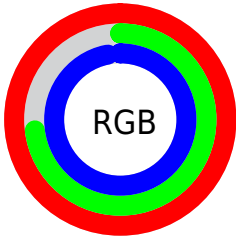
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 185, 247
Decimal	16759287
CIE Lab	83.27, 34.92, -20.70
CIE LCh	83, 40.599, 329.340
Yxy	62.6733, 0.3219, 0.2676
Android (android.graphics.Color)	4294949367 (0xFFFFB9F7)
YUV	212.9980, 16.7630, 36.8358
Hunter-Lab	79.1665, 31.4155, -16.5704

# Details

The XYZ color **75.3775, 62.6733, 96.1200** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.3951, 85.6854, 63.5470**, and the grayscale version is **63.1271, 66.4146, 72.3255**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **40.5462, 31.8645, 53.3037** is the 20% darker color. If you saturate the color by 10%, you get **70.0676, 52.7675, 92.1494**, and if you desaturate by 10%, it is **81.6537, 74.5001, 100.4491**.

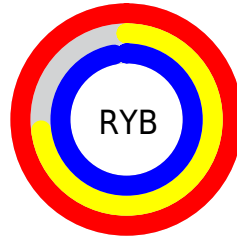
# Distribution



Red (100%)

Green (73%)

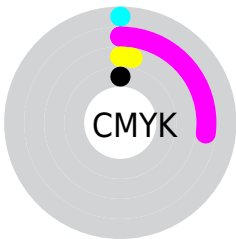
Blue (97%)



Red (100%)

Yellow (73%)

Blue (97%)

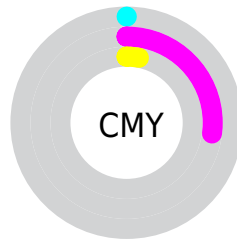


Cyan (0%)

Magenta (27%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3775, 62.6733, 96.1200 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 75.3775, 62.6733, 96.1200 by changing the saturation by 10% instead.





 75.3775, 62.6733,  
96.1200

 75.3775, 62.6733,  
96.1200


468.1913,  
434.3829, 568.8200

 56.2175, 45.5770,  
72.4655


 125.8316,  
108.6980, 157.8199

 40.6150, 31.9121,  
53.0498


157.8565,  
138.3952, 196.7023

 28.2047, 21.2944,  
37.4546


194.9003,  
173.0615, 241.4978

 18.6213, 13.3394,  
25.2611

237.3284,  
213.0813, 292.6249

 11.4993, 7.6626,  
16.0509

285.5062,  
258.8389, 350.5021

 6.4735, 3.8799,  
9.4054

339.7990,

 3.1785, 1.6066,

310.7187, 415.5480

4.9062

400.5723,  
369.1053, 488.1812

■ 1.2488, 0.3620,  
2.1345

■ 0.1444, 0.0000,  
0.6362

■ 75.3775, 62.6733,  
96.1200

■ 75.3775, 62.6733,  
96.1200

■ 70.0676, 52.7675,  
92.1494

■ 81.6537, 74.5001,  
100.4491

■ 65.6689, 44.6730,  
88.5161

■ 88.9395, 88.3351,  
105.1488

■ 62.1267, 38.2804,  
85.2028

95.0500, 100.0000,  
108.9000

■ 59.3789, 33.4655,  
82.1884

■ 57.3550, 30.0872,  
79.4494

■ 55.9717, 27.9794,  
76.9578

■ 55.1209, 26.9253,  
74.6774

■ 54.9481, 26.7432,  
74.1158

# Harmonies

## Analogous

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



68.2695, 62.6733, 119.9287



75.3775, 62.6733, 96.1200



78.1833, 62.6733, 68.8017

# Triad

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



75.3775, 62.6733, 96.1200



59.7647, 62.6733, 30.2899



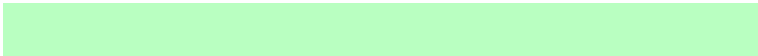
45.9769, 62.6733, 94.9072

# Complementary

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



75.3775, 62.6733, 96.1200



65.3951, 85.6854, 63.5470

# 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.



44.1720, 62.6733, 67.6825



75.3775, 62.6733, 96.1200



51.6412, 62.6733, 34.0588

# Square

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



75.3775, 62.6733, 96.1200



68.6408, 62.6733, 34.4121



46.1416, 62.6733, 46.3519



51.3341, 62.6733, 119.1156



# Rectangle

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



75.3775, 62.6733, 96.1200



77.0433, 62.6733, 53.3891



46.1416, 62.6733, 46.3519



44.9596, 62.6733, 85.6186

# Sweetspot

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



75.3788, 62.6758, 96.1213



88.5108, 87.5186, 104.8798



57.1397, 53.1274, 101.8508



18.6980, 18.2625, 22.2927



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.



75.3788, 62.6758, 96.1213



72.3146, 56.9452, 93.8735



70.6008, 60.7646, 70.9607



18.6980, 18.2625, 22.2927



28.7473, 13.9882, 38.9152



2.8234, 1.3717, 3.9172



# Inverse Universe

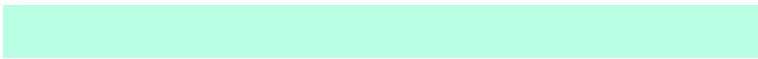
The Inverse Universe completely reimagines the original color for something new.



75.3788, 62.6758, 96.1213



72.3146, 56.9452, 93.8735



69.6344, 87.3812, 85.8708



18.6980, 18.2625, 22.2927



28.7473, 13.9882, 38.9152



2.8234, 1.3717, 3.9172



# Previews

## White Background



This preview shows how the XYZ color 75.3775, 62.6733, 96.1200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

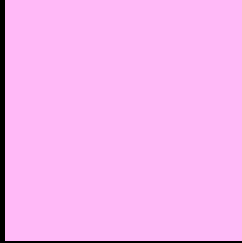
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3775, 62.6733, 96.1200 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 75.3775, 62.6733, 96.1200**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.3775, 62.6733, 96.1200.



This preview shows how white text looks on a background with the XYZ color 75.3775, 62.6733,



# 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

75.3775, 62.6733, 96.1200

### Protanopia

62.8863, 63.0984, 103.4725

### Deuteranopia

64.5490, 63.0924, 94.3639



## Tritanopia

69.5365, 62.5283, 67.4357

# Trichromacy



## Original Color

75.3775, 62.6733, 96.1200



## Protanomaly

66.3800, 62.1682, 100.5965



## Deuteranomaly

67.8999, 62.4033, 94.8525



## Tritanomaly

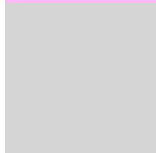
71.5273, 62.3646, 77.3749

# Monochromacy



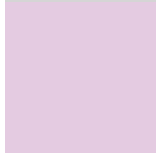
## Original Color

75.3775, 62.6733, 96.1200



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

66.9415, 64.6421, 80.1831

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3775, 62.6733, 96.1200 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, 185, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 247)  
}
```

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, 185, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3775, 62.6733, 96.1200 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, 185, 247) }
```



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

```
.border{ border-color:rgb(255, 185, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3775, 62.6733, 96.1200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 247) }
```

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

```
.background{ background-color: rgb(255,  
185, 247) }
```

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