

Converting Colors

XYZ(76.2256, 64.0776, 97.3026)

Have a look what the booklet for
XYZ(76.2256, 64.0776, 97.3026)
contains.

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Color

**XYZ(76.1665, 64.0038,
97.1465)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBCF8
RGB	255, 188, 248
RGB Percent	100%, 74%, 97%
CMY	0.0000, 0.2627, 0.0274
CMYK	0.00, 0.26, 0.03, 0.00
HSL	306°, 100%, 87%
HSV	306°, 26%, 100%
XYZ	76.1665, 64.0038, 97.1465
YIQ	214.8730, 20.6720, 32.8640

Conversions

Conversions Part 2

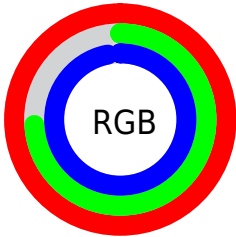
Format	Color
R_{YB}	255, 188, 248
Decimal	16760056
CIE _{Lab}	83.97, 33.53, -20.18
CIE _{LCh}	84, 39.131, 328.954
Yxy	64.0038, 0.3209, 0.2697
Android (android.graphics.Color)	4294950136 (0xFFFFBCF8)
YUV	214.8730, 16.3316, 35.1914
Hunter-Lab	80.0024, 29.9373, -15.9939

Details

The XYZ color **76.1665, 64.0038, 97.1465** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.3514, 86.1525, 64.7646**, and the grayscale version is **64.3901, 67.7434, 73.7725**.

A 20% lighter version of the original color is **91.9424, 93.7848, 107.8641**, and **41.3282, 32.8617, 54.0339** is the 20% darker color. If you saturate the color by 10%, you get **70.7826, 53.8925, 93.3279**, and if you desaturate by 10%, it is **82.5215, 76.0474, 101.3195**.

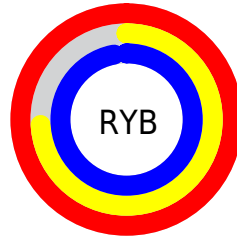
Distribution



Red (100%)

Green (74%)

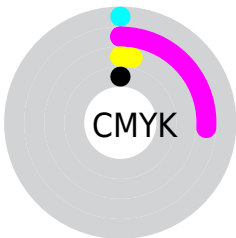
Blue (97%)



Red (100%)

Yellow (74%)

Blue (97%)

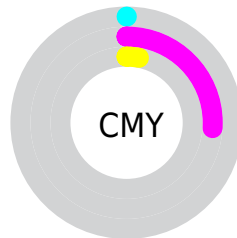


Cyan (0%)

Magenta (26%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.1665, 64.0038, 97.1465 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 76.1665, 64.0038, 97.1465 by changing the saturation by 10% instead.


 76.1665, 64.0038,
97.1465

 76.1665, 64.0038,
97.1465


470.8531,
439.2034, 572.1731

 56.8666, 46.6538,
73.3161


 126.9413,
110.6164, 159.2478

 41.1379, 32.7620,
53.7411

159.1470,
140.6478, 198.3557

 28.6150, 21.9442,
38.0029


196.3852,
175.6750, 243.3932

 18.9326, 13.8159,
25.6831

239.0214,
216.0825, 294.7788

 11.7253, 7.9927,
16.3631

287.4210,
262.2547, 352.9310

 6.6278, 4.0903,
9.6243

341.9492,

 3.2747, 1.7242,

314.5760, 418.2685

5.0483

402.9714,
373.4308, 491.2097

■ 1.3006, 0.4393,
2.2164

■ 0.1837, 0.0000,
0.6838

■ 76.1665, 64.0038,
97.1465

■ 76.1665, 64.0038,
97.1465

■ 70.7826, 53.8925,
93.3279

■ 82.5215, 76.0474,
101.3195

■ 66.3148, 45.6043,
89.8428

■ 89.8903, 90.1093,
105.8587

■ 62.7093, 39.0314,
86.6739

95.0500, 100.0000,
108.9000

■ 59.9048, 34.0511,
83.8006

■ 57.8319, 30.5247,
81.1998

■ 56.4091, 28.2896,
78.8441

■ 55.5354, 27.1433,
76.6997

■ 55.2937, 26.8815,
75.9356

Harmonies

Analogous

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



69.2149, 64.0038, 120.0189



76.1665, 64.0038, 97.1465



78.9546, 64.0038, 70.5595

Triad

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



76.1665, 64.0038, 97.1465



61.1368, 64.0038, 32.1894



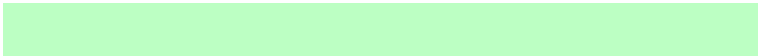
47.4536, 64.0038, 95.2854

Complementary

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



76.1665, 64.0038, 97.1465



66.3514, 86.1525, 64.7646

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.



45.7220, 64.0038, 68.8262



76.1665, 64.0038, 97.1465



53.1579, 64.0038, 35.8610

Square

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



76.1665, 64.0038, 97.1465



69.7877, 64.0038, 36.4204



47.7104, 64.0038, 47.9644



52.6803, 64.0038, 118.7781

Rectangle

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



76.1665, 64.0038, 97.1465



77.8934, 64.0038, 55.3812



47.7104, 64.0038, 47.9644



46.4666, 64.0038, 86.2711

Sweetspot

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



76.1679, 64.0064, 97.1478



88.5427, 87.5314, 105.0475



58.4641, 54.7519, 102.0945



18.7061, 18.2657, 22.3353



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.



76.1679, 64.0064, 97.1478



72.9680, 57.9838, 94.9179



71.4650, 62.1252, 72.3825



18.7061, 18.2657, 22.3353



28.9253, 14.0594, 39.8524



2.8389, 1.3779, 3.9990

Inverse Universe

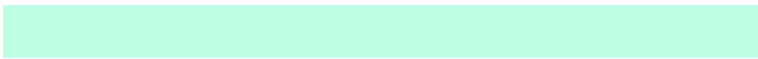
The Inverse Universe completely reimagines the original color for something new.



76.1679, 64.0064, 97.1478



72.9680, 57.9838, 94.9179



70.5322, 87.8248, 86.7806



18.7061, 18.2657, 22.3353



28.9253, 14.0594, 39.8524



2.8389, 1.3779, 3.9990

Previews

White Background



This preview shows how the XYZ color 76.1665, 64.0038, 97.1465 looks on a white background.

Color Contrast Check

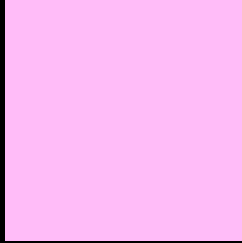
Large Text (above 18pt) WCAG AA × Fail

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 76.1665, 64.0038, 97.1465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

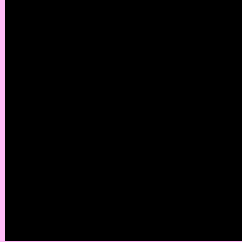
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.1665, 64.0038, 97.1465

Background



This preview shows how black text looks on a background with the XYZ color 76.1665, 64.0038, 97.1465.



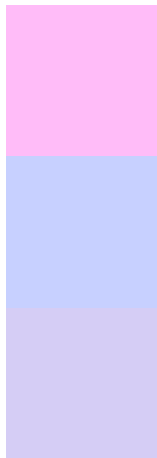
This preview shows how white text looks on a background with the XYZ color 76.1665, 64.0038,

97.1465.

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

76.1665, 64.0038, 97.1465

Protanopia

64.1591, 64.4739, 103.6709

Deuteranopia

65.7533, 64.4013, 95.3513



Tritanopia

70.5723, 64.0074, 69.6079

Trichromacy



Original Color

76.1665, 64.0038, 97.1465



Protanomaly

67.6707, 63.8616, 100.8554



Deuteranomaly

69.0529, 63.9946, 95.9015



Tritanomaly

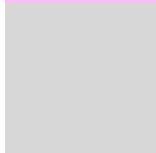
72.4491, 63.7765, 79.0126

Monochromacy



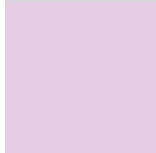
Original Color

76.1665, 64.0038, 97.1465



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

68.3296, 66.0317, 81.8171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1665, 64.0038, 97.1465 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, 188, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 248)  
}
```

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, 188, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 248) }
```

Border

The CSS property to change the border of an element to XYZ 76.1665, 64.0038, 97.1465 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, 188, 248) }
```


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

```
.border{ border-color:rgb(255, 188, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1665, 64.0038, 97.1465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 248) }
```

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

```
.background{ background-color: rgb(255,  
188, 248) }
```

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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