

Converting Colors

XYZ(67.8045, 52.8982, 77.0381)

Have a look what the booklet for
XYZ(67.8045, 52.8982, 77.0381)
contains.

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Color

**XYZ(67.7917, 52.8362,
77.1464)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA3E0
RGB	255, 163, 224
RGB Percent	100%, 64%, 88%
CMY	0.0000, 0.3608, 0.1216
CMYK	0.00, 0.36, 0.12, 0.00
HSL	320°, 100%, 82%
HSV	320°, 36%, 100%
XYZ	67.7917, 52.8362, 77.1464
YIQ	197.4620, 35.2510, 38.4750

Conversions

Conversions Part 2

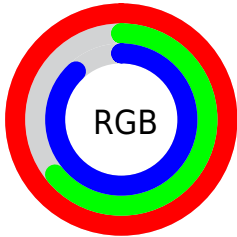
Format	Color
R _Y B	255, 163, 224
Decimal	16753632
CIE _{Lab}	77.78, 42.52, -16.61
CIE _{LCh}	78, 45.648, 338.659
Yxy	52.8362, 0.3428, 0.2672
Android (android.graphics.Color)	4294943712 (0xFFFFA3E0)
YUV	197.4620, 13.0832, 50.4608
Hunter-Lab	72.6885, 39.2701, -12.0442

Details

The XYZ color **67.7917, 52.8362, 77.1464** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.6037, 83.2025, 63.9075**, and the grayscale version is **53.2598, 56.0335, 61.0205**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **35.6560, 25.6722, 40.6121** is the 20% darker color. If you saturate the color by 10%, you get **62.5761, 44.2229, 69.8031**, and if you desaturate by 10%, it is **73.9815, 63.3031, 85.1063**.

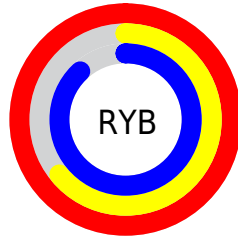
Distribution



Red (100%)

Green (64%)

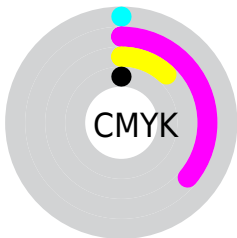
Blue (88%)



Red (100%)

Yellow (64%)

Blue (88%)

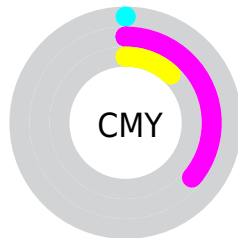


Cyan (0%)

Magenta (36%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7917, 52.8362, 77.1464 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 67.7917, 52.8362, 77.1464 by changing the saturation by 10% instead.


 67.7917, 52.8362,
77.1464


 67.7917, 52.8362,
77.1464


442.1460,
397.6564, 504.7140

 50.0013, 37.6720,
56.8608

 115.0977, 94.3633,
131.1210

 35.6323, 25.7282,
40.4848


 145.3440,
121.4950, 165.6471

 24.3191, 16.6204,
27.6001


180.4730,
153.3847, 205.7570

 15.6965, 9.9642,
17.7880

220.8500,
190.4167, 251.8694

 9.3991, 5.3753,
10.6300

266.8405,
232.9755, 304.4027

 5.0616, 2.4691,
5.7076

318.8098,

 2.3186, 0.8611,

281.4455, 363.7756

2.6022

377.1231,
336.2109, 430.4065

■ 0.8042, 0.0000,
0.8936

■ 0.0000, 0.0000,
0.0000

■ 67.7917, 52.8362,
77.1464

■ 67.7917, 52.8362,
77.1464

■ 62.5761, 44.2229,
69.8031

■ 73.9815, 63.3031,
85.1063

■ 58.2748, 37.3457,
63.0504

■ 81.1932, 75.7183,
93.7009

■ 54.8271, 32.0842,
56.8641

■ 89.4756, 90.1781,
102.9512

■ 52.1630, 28.2997,
51.2166

95.0500, 100.0000,
108.9000

■ 50.2004, 25.8298,
46.0760

■ 48.8378, 24.4729,
41.4038

■ 48.4083, 24.1273,
39.6777

Harmonies

Analogous

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



61.6148, 52.8362, 104.5837



67.7917, 52.8362, 77.1464



68.9868, 52.8362, 50.5013

Triad

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



67.7917, 52.8362, 77.1464



47.7011, 52.8362, 21.5528



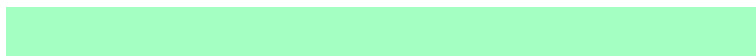
38.0707, 52.8362, 93.6518

Complementary

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



67.7917, 52.8362, 77.1464



60.6037, 83.2025, 63.9075

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.



35.2073, 52.8362, 65.1816



67.7917, 52.8362, 77.1464



40.3232, 52.8362, 27.2523

Square

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



67.7917, 52.8362, 77.1464



56.6688, 52.8362, 23.0332



35.9805, 52.8362, 41.5567



44.2785, 52.8362, 115.8955

Rectangle

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



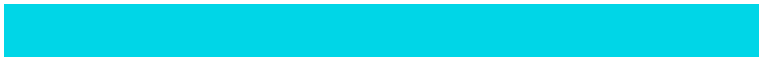
67.7917, 52.8362, 77.1464



66.6770, 52.8362, 37.1823



35.9805, 52.8362, 41.5567



36.7204, 52.8362, 84.2053

Sweetspot

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



67.7930, 52.8385, 77.1475



85.2607, 82.7969, 98.3132



53.3120, 44.8424, 100.4533



18.0109, 17.3061, 20.7758



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.



67.7930, 52.8385, 77.1475



64.0806, 46.6826, 71.9982



62.4082, 50.6846, 48.7917



18.5172, 18.1902, 21.3409



25.3668, 12.6360, 21.1140



2.5209, 1.2507, 2.3243

Inverse Universe

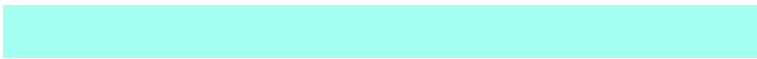
The Inverse Universe completely reimagines the original color for something new.



67.7930, 52.8385, 77.1475



64.0806, 46.6826, 71.9982



66.5444, 85.5787, 95.1906



18.5172, 18.1902, 21.3409



25.3668, 12.6360, 21.1140



2.5209, 1.2507, 2.3243

Previews

White Background



This preview shows how the XYZ color 67.7917, 52.8362, 77.1464 looks on a white background.

Color Contrast Check

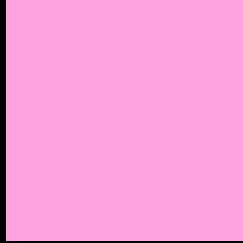
Large Text (above 18pt) WCAG AA × Fail

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 67.7917, 52.8362, 77.1464 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 67.7917, 52.8362, 77.1464

Background



This preview shows how black text looks on a background with the XYZ color 67.7917, 52.8362, 77.1464.



This preview shows how white text looks on a background with the XYZ color 67.7917, 52.8362,

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

67.7917, 52.8362, 77.1464

Protanopia

53.6309, 53.4360, 92.2815

Deuteranopia

54.4547, 53.2759, 75.1233



Tritanopia

62.6390, 52.9105, 52.2587

Trichromacy



Original Color

67.7917, 52.8362, 77.1464



Protanomaly

57.3963, 52.3693, 86.4400



Deuteranomaly

58.3847, 52.5207, 75.4669



Tritanomaly

64.4563, 52.8242, 60.8317

Monochromacy



Original Color

67.7917, 52.8362, 77.1464



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

57.5249, 54.1083, 66.4435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7917, 52.8362, 77.1464 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, 163, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 224)  
}
```

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, 163, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 224) }
```

Border

The CSS property to change the border of an element to XYZ 67.7917, 52.8362, 77.1464 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, 163, 224) }
```


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

```
.border{ border-color:rgb(255, 163, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7917, 52.8362, 77.1464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 224) }
```

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

```
.background{ background-color: rgb(255,  
163, 224) }
```

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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