

Converting Colors

XYZ(81.3632, 59.6895, 77.9072)

Have a look what the booklet for
XYZ(81.3632, 59.6895, 77.9072)
contains.

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Color

**XYZ(67.6149, 52.4825,
77.0874)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA2E0
RGB	255, 162, 224
RGB Percent	100%, 64%, 88%
CMY	0.0000, 0.3647, 0.1216
CMYK	0.00, 0.36, 0.12, 0.00
HSL	320°, 100%, 82%
HSV	320°, 36%, 100%
XYZ	67.6149, 52.4825, 77.0874
YIQ	196.8750, 35.5260, 38.9980

Conversions

Conversions Part 2

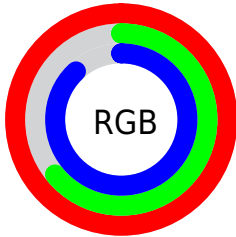
Format	Color
R _Y B	255, 162, 224
Decimal	16753376
CIE Lab	77.57, 43.03, -16.93
CIE LCh	78, 46.243, 338.526
Yxy	52.4825, 0.3429, 0.2662
Android (android.graphics.Color)	4294943456 (0xFFFFA2E0)
YUV	196.8750, 13.3726, 50.9756
Hunter-Lab	72.4448, 39.8210, -12.3782

Details

The XYZ color **67.6149, 52.4825, 77.0874** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.2878, 83.0525, 63.3084**, and the grayscale version is **52.9037, 55.6588, 60.6124**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **35.5500, 25.4600, 40.5767** is the 20% darker color. If you saturate the color by 10%, you get **62.4458, 43.9433, 69.8184**, and if you desaturate by 10%, it is **73.7547, 62.8705, 84.9657**.

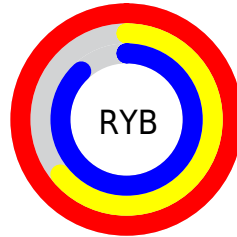
Distribution



Red (100%)

Green (64%)

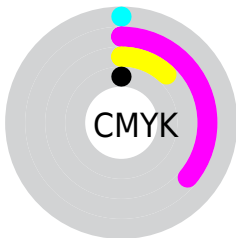
Blue (88%)



Red (100%)

Yellow (64%)

Blue (88%)

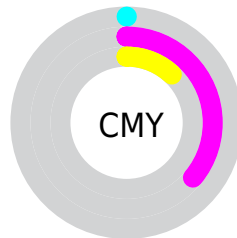


Cyan (0%)

Magenta (36%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6149, 52.4825, 77.0874 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 67.6149, 52.4825, 77.0874 by changing the saturation by 10% instead.


 67.6149, 52.4825,
77.0874


 67.6149, 52.4825,
77.0874


441.5285,
396.2965, 504.5075

 49.8570, 37.3898,
56.8126

 114.8460, 93.8424,
131.0370

 35.5171, 25.5094,
40.4465


 145.0499,
120.8785, 165.5489

 24.2299, 16.4570,
27.5704


180.1333,
152.6644, 205.6435

 15.6299, 9.8481,
17.7658

220.4614,
189.5847, 251.7395

 9.3518, 5.2984,
10.6143

266.3996,
232.0236, 304.2554

 5.0303, 2.4234,
5.6972

318.3133,

 2.3000, 0.8379,

280.3656, 363.6097

2.5961

376.5678,
334.9951, 430.2209

■ 0.7947, 0.0000,
0.8904

■ 0.0000, 0.0000,
0.0000

■ 67.6149, 52.4825,
77.0874

■ 67.6149, 52.4825,
77.0874

■ 62.4458, 43.9433,
69.8184

■ 73.7547, 62.8705,
84.9657

■ 58.1876, 37.1352,
63.1326

■ 80.9132, 75.2026,
93.4713

■ 54.7793, 31.9373,
57.0063

■ 89.1394, 89.5752,
102.6251

■ 52.1504, 28.2101,
51.4114

95.0500, 100.0000,
108.9000

■ 50.2184, 25.7899,
46.3163

■ 48.8805, 24.4726,
41.6821

■ 48.4954, 24.1622,
40.1364

Harmonies

Analogous

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



61.3521, 52.4825, 104.8540



67.6149, 52.4825, 77.0874



68.8488, 52.4825, 50.1640

Triad

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



67.6149, 52.4825, 77.0874



47.3820, 52.4825, 21.0214



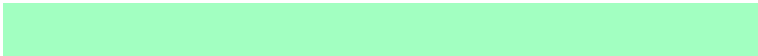
37.6276, 52.4825, 93.5434

Complementary

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



67.6149, 52.4825, 77.0874



60.2878, 83.0525, 63.3084

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.



34.7655, 52.4825, 64.7444



67.6149, 52.4825, 77.0874



39.9405, 52.4825, 26.6772

Square

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



67.6149, 52.4825, 77.0874



56.4317, 52.4825, 22.5285



35.5586, 52.4825, 40.9770



43.8617, 52.4825, 116.1574

Rectangle

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



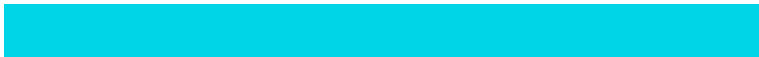
67.6149, 52.4825, 77.0874



66.5282, 52.4825, 36.7426



35.5586, 52.4825, 40.9770



36.2752, 52.4825, 83.9715

Sweetspot

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



67.6161, 52.4847, 77.0885



85.2762, 82.8031, 98.3952



52.9648, 44.4008, 100.3864



18.0146, 17.3075, 20.7954



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.



67.6161, 52.4847, 77.0885



63.6349, 45.8859, 71.5575



62.1477, 50.2973, 48.2923



18.5201, 18.1914, 21.3562



25.4121, 12.6541, 21.3523



2.5250, 1.2524, 2.3463

Inverse Universe

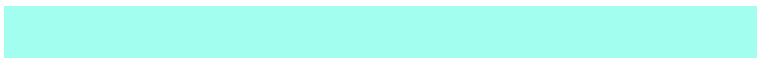
The Inverse Universe completely reimagines the original color for something new.



67.6161, 52.4847, 77.0885



63.6349, 45.8859, 71.5575



66.3157, 85.4637, 95.0509



18.5201, 18.1914, 21.3562



25.4121, 12.6541, 21.3523



2.5250, 1.2524, 2.3463

Previews

White Background



This preview shows how the XYZ color 67.6149, 52.4825, 77.0874 looks on a white background.

Color Contrast Check

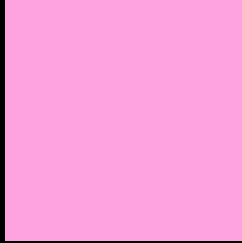
Large Text (above 18pt) WCAG AA × Fail

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 67.6149, 52.4825, 77.0874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

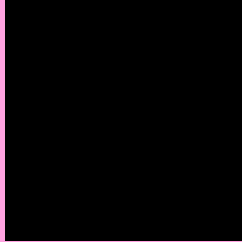
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.6149, 52.4825, 77.0874

Background



This preview shows how black text looks on a background with the XYZ color 67.6149, 52.4825, 77.0874.



This preview shows how white text looks on a background with the XYZ color 67.6149, 52.4825,

77.0874.

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

67.6149, 52.4825, 77.0874

Protanopia

53.1815, 52.8817, 92.1982

Deuteranopia

53.8452, 52.6609, 74.3445



Tritanopia

62.3463, 52.4923, 51.6458

Trichromacy



Original Color

67.6149, 52.4825, 77.0874



Protanomaly

57.1937, 51.9640, 86.3725



Deuteranomaly

58.1850, 52.1213, 75.4004



Tritanomaly

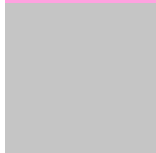
64.1566, 52.4101, 60.1608

Monochromacy



Original Color

67.6149, 52.4825, 77.0874



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

57.3164, 53.6914, 66.3741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6149, 52.4825, 77.0874 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, 162, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 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, 162, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 224) }
```

Border

The CSS property to change the border of an element to XYZ 67.6149, 52.4825, 77.0874 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, 162, 224) }
```


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

```
.border{ border-color:rgb(255, 162, 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, 162, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6149, 52.4825, 77.0874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 224) }
```

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

```
.background{ background-color: rgb(255,  
162, 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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