

Converting Colors

XYZ(67.4050, 49.9520, 83.5246)

Have a look what the booklet for XYZ(67.4050, 49.9520, 83.5246) contains.

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Color

**XYZ(67.3392, 49.9257,
83.1782)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99E9
RGB	255, 153, 233
RGB Percent	100%, 60%, 91%
CMY	0.0000, 0.4000, 0.0863
CMYK	0.00, 0.40, 0.09, 0.00
HSL	313°, 100%, 80%
HSV	313°, 40%, 100%
XYZ	67.3392, 49.9257, 83.1782
YIQ	192.6180, 35.1120, 46.5040

Conversions

Conversions Part 2

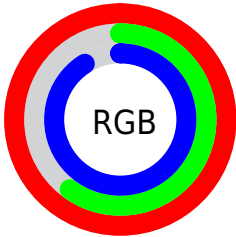
Format	Color
R _Y B	255, 153, 233
Decimal	16751081
CIE Lab	76.02, 49.08, -24.17
CIE LCh	76, 54.712, 333.785
Yxy	49.9257, 0.3360, 0.2491
Android (android.graphics.Color)	4294941161 (0xFFFF99E9)
YUV	192.6180, 19.9083, 54.7090
Hunter-Lab	70.6581, 46.4639, -20.3351

Details

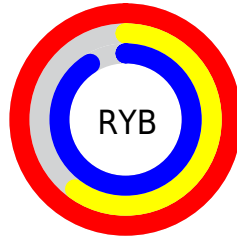
The XYZ color **67.3392, 49.9257, 83.1782** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.6365, 81.3883, 53.2847**, and the grayscale version is **50.3383, 52.9598, 57.6732**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **35.4236, 23.9683, 44.3543** is the 20% darker color. If you saturate the color by 10%, you get **62.8293, 42.1436, 77.8590**, and if you desaturate by 10%, it is **72.7677, 59.5052, 88.9257**.

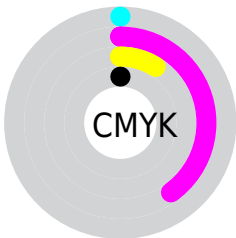
Distribution



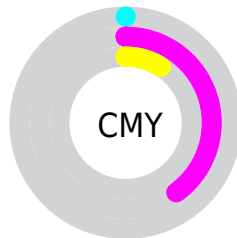
- Red (100%)
- Green (60%)
- Blue (91%)



- Red (100%)
- Yellow (60%)
- Blue (91%)



- Cyan (0%)
- Magenta (40%)
- Yellow (9%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3392, 49.9257, 83.1782 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 67.3392, 49.9257, 83.1782 by changing the saturation by 10% instead.

67.3392, 49.9257,
83.1782

67.3392, 49.9257,
83.1782

440.5647,
386.3753, 525.5668

49.6320, 35.3544,
61.7957

114.4534, 90.0648,
139.6765

35.3377, 23.9360,
44.4329

144.5912,
116.4013, 175.6293

24.0909, 15.2861,
30.6713

179.6033,
147.4284, 217.2761

15.5261, 9.0204,
20.0923

219.8549,
183.5303, 265.0352

9.2782, 4.7545,
12.2774

265.7115,
225.0916, 319.3253

4.9816, 2.1040,
6.8081

317.5385,

2.2711, 0.6669,

272.4966, 380.5649

3.2657

375.7011,
326.1297, 449.1726

■ 0.7798, 0.0000,
1.2319

■ 0.0000, 0.0000,
0.0050

■ 67.3392, 49.9257,
83.1782

■ 67.3392, 49.9257,
83.1782

■ 62.8293, 42.1436,
77.8590

■ 72.7677, 59.5052,
88.9257

■ 59.1769, 36.0379,
72.9447

■ 79.1637, 70.9805,
95.1170

■ 56.3189, 31.4827,
68.4139

■ 86.5768, 84.4501,
101.7704

■ 54.1820, 28.3314,
64.2410

95.0500, 100.0000,
108.9000

■ 52.6785, 26.4091,
60.3956

■ 51.6654, 25.4303,
56.8290

■ 51.6652, 25.4301,
56.8282

Harmonies

Analogous

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



59.2311, 49.9257, 115.7753



67.3392, 49.9257, 83.1782



69.8665, 49.9257, 50.7318

Triad

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



67.3392, 49.9257, 83.1782



46.1683, 49.9257, 15.3402



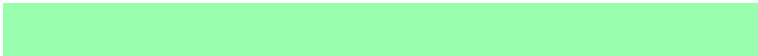
32.9323, 49.9257, 92.0126

Complementary

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



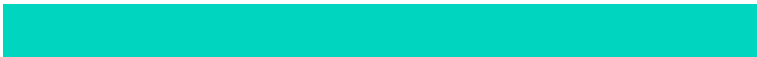
67.3392, 49.9257, 83.1782



56.6365, 81.3883, 53.2847

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.



30.4326, 49.9257, 58.1585



67.3392, 49.9257, 83.1782



37.3497, 49.9257, 19.7370

Square

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



67.3392, 49.9257, 83.1782



56.6660, 49.9257, 17.9071



31.9265, 49.9257, 33.1110



39.2967, 49.9257, 122.0305

Rectangle

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



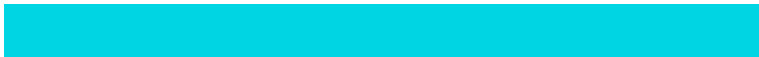
67.3392, 49.9257, 83.1782



67.7844, 49.9257, 34.6880



31.9265, 49.9257, 33.1110



31.6571, 49.9257, 80.3419

Sweetspot

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



67.3404, 49.9278, 83.1792



85.0087, 81.5887, 100.4003



46.7656, 38.9350, 99.6581



17.9813, 17.0734, 21.3007



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.



67.3404, 49.9278, 83.1792



63.6598, 43.5605, 78.8886



61.2426, 47.4887, 51.0687



18.6150, 18.2293, 21.8559



27.0537, 13.3108, 29.9971



2.6738, 1.3119, 3.1299

Inverse Universe

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



67.3404, 49.9278, 83.1792



63.6598, 43.5605, 78.8886



62.4072, 83.6966, 83.6730



18.6150, 18.2293, 21.8559



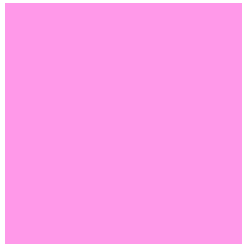
27.0537, 13.3108, 29.9971



2.6738, 1.3119, 3.1299

Previews

White Background



This preview shows how the XYZ color 67.3392, 49.9257, 83.1782 looks on a white background.

Color Contrast Check

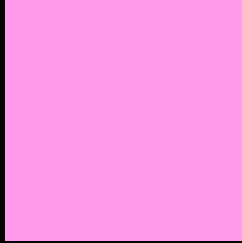
Large Text (above 18pt) WCAG AA × Fail

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 67.3392, 49.9257, 83.1782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

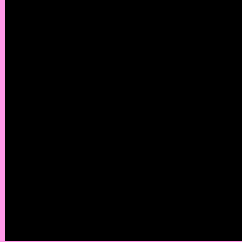
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.3392, 49.9257, 83.1782

Background



This preview shows how black text looks on a background with the XYZ color 67.3392, 49.9257, 83.1782.



This preview shows how white text looks on a background with the XYZ color 67.3392, 49.9257,

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

67.3392, 49.9257, 83.1782

Protanopia

51.5474, 50.2428, 101.5887

Deuteranopia

51.2553, 50.2661, 79.6739



Tritanopia

59.9227, 49.6817, 48.0262

Trichromacy



Original Color

67.3392, 49.9257, 83.1782



Protanomaly

55.5515, 48.8819, 94.5030



Deuteranomaly

55.9504, 49.3932, 80.7137



Tritanomaly

62.4325, 49.6821, 59.1224

Monochromacy



Original Color

67.3392, 49.9257, 83.1782



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

55.6245, 50.9938, 66.5856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3392, 49.9257, 83.1782 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, 153, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 233)  
}
```

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, 153, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 233) }
```

Border

The CSS property to change the border of an element to XYZ 67.3392, 49.9257, 83.1782 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, 153, 233) }
```


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

```
.border{ border-color:rgb(255, 153, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3392, 49.9257, 83.1782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 233) }
```

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

```
.background{ background-color: rgb(255,  
153, 233) }
```

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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