

Converting Colors

XYZ(63.4728, 49.3200, 67.3352)

Have a look what the booklet for
XYZ(63.4728, 49.3200, 67.3352)
contains.

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Color

**XYZ(63.4735, 49.2763,
67.1386)**

Conversions

Conversions Part 1

Format	Color
Hex	FB9DD2
RGB	251, 157, 210
RGB Percent	98%, 62%, 82%
CMY	0.0157, 0.3843, 0.1765
CMYK	0.00, 0.37, 0.16, 0.02
HSL	326°, 92%, 80%
HSV	326°, 37%, 98%
XYZ	63.4735, 49.2763, 67.1386
YIQ	191.1480, 39.0110, 36.4110

Conversions

Conversions Part 2

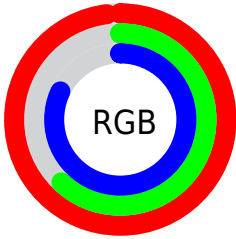
Format	Color
R_{YB}	251, 157, 210
Decimal	16489938
CIE _{Lab}	75.62, 42.11, -12.26
CIE _{LCh}	76, 43.862, 343.771
Yxy	49.2763, 0.3528, 0.2739
Android (android.graphics.Color)	4294680018 (0xFFFB9DD2)
YUV	191.1480, 9.2940, 52.4902
Hunter-Lab	70.1971, 38.5581, -7.5688

Details

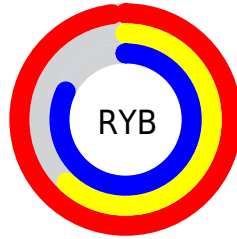
The XYZ color **63.4735, 49.2763, 67.1386** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.5970, 80.2411, 65.8295**, and the grayscale version is **49.5403, 52.1203, 56.7590**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **32.9434, 23.6384, 34.2788** is the 20% darker color. If you saturate the color by 10%, you get **58.3374, 41.1124, 58.9255**, and if you desaturate by 10%, it is **69.5781, 59.2266, 76.1360**.

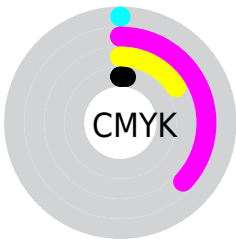
Distribution



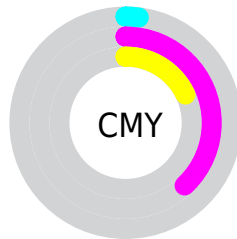
- Red (98%)
- Green (62%)
- Blue (82%)



- Red (98%)
- Yellow (62%)
- Blue (82%)



- Cyan (0%)
- Magenta (37%)
- Yellow (16%)
- Black (2%)




- Cyan (2%)
- Magenta (38%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4735, 49.2763, 67.1386 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 63.4735, 49.2763, 67.1386 by changing the saturation by 10% instead.


 63.4735, 49.2763,
67.1386


 63.4735, 49.2763,
67.1386


426.9183,
383.8290, 468.9529

 46.4845, 34.8387,
48.7350

 108.9303, 89.1017,
116.7615

 32.8345, 23.5387,
34.0452

 138.1288,
115.2583, 148.8179

 22.1583, 14.9918,
22.6507

172.1278,
146.0900, 186.2623

 14.0905, 8.8136,
14.1329

211.2927,
181.9812, 229.5132

 8.2658, 4.6198,
8.0734

255.9889,
223.3163, 278.9891

 4.3187, 2.0260,
4.0535

306.5816,

 1.8840, 0.6225,

270.4797, 335.1087

1.6547

363.4363,
323.8558, 398.2904

■ 0.5675, 0.0000,
0.3294

■ 0.0000, 0.0000,
0.0000

■ 63.4735, 49.2763,
67.1386

■ 63.4735, 49.2763,
67.1386

■ 58.3374, 41.1124,
58.9255

■ 69.5781, 59.2266,
76.1360

■ 54.1098, 34.6197,
51.4661

■ 76.6978, 71.0555,
85.9406

■ 50.7305, 29.6802,
44.7313

■ 84.8814, 84.8571,
96.5778

■ 48.1296, 26.1576,
38.6882

■ 93.4005, 99.1720,
107.8132

■ 46.2254, 23.8912,
33.2994

■ 93.5940, 99.2494,
108.8319

■ 44.9113, 22.6716,
28.5189

■ 44.6302, 22.4479,
27.3816

Harmonies

Analogous

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



58.4815, 49.2763, 92.8295



63.4735, 49.2763, 67.1386



63.6860, 49.2763, 43.7029

Triad

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



63.4735, 49.2763, 67.1386



43.2184, 49.2763, 20.8998



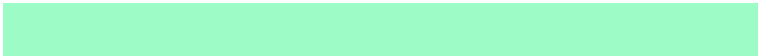
36.4465, 49.2763, 90.8887

Complementary

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



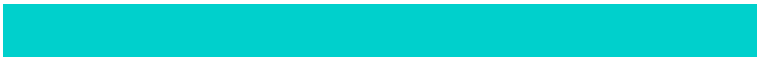
63.4735, 49.2763, 67.1386



58.5970, 80.2411, 65.8295

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.



33.2552, 49.2763, 65.0103



63.4735, 49.2763, 67.1386



36.8486, 49.2763, 27.4190

Square

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



63.4735, 49.2763, 67.1386



51.3338, 49.2763, 21.1657



33.3933, 49.2763, 42.1070



42.6082, 49.2763, 109.0209

Rectangle

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



63.4735, 49.2763, 67.1386



61.0422, 49.2763, 32.4477



33.3933, 49.2763, 42.1070



35.0243, 49.2763, 82.5279

Sweetspot

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



63.4750, 49.2786, 67.1396



84.8376, 82.6277, 96.0852



52.6902, 43.0512, 96.8001



17.9099, 17.2657, 20.2440



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.



63.4750, 49.2786, 67.1396



61.6677, 44.4945, 63.0620



58.4773, 47.2795, 40.8222



17.6545, 17.3892, 20.0365



23.5338, 11.8292, 14.7852



2.2329, 1.1169, 1.6497

Inverse Universe

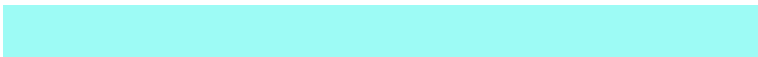
The Inverse Universe completely reimagines the original color for something new.



63.4750, 49.2786, 67.1396



61.6677, 44.4945, 63.0620



64.8442, 82.7400, 98.7267



17.6545, 17.3892, 20.0365



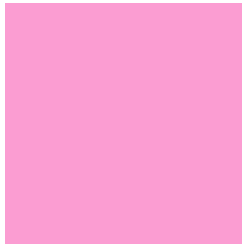
23.5338, 11.8292, 14.7852



2.2329, 1.1169, 1.6497

Previews

White Background



This preview shows how the XYZ color 63.4735, 49.2763, 67.1386 looks on a white background.

Color Contrast Check

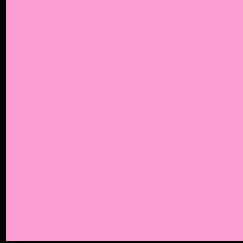
Large Text (above 18pt) WCAG AA × Fail

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 63.4735, 49.2763, 67.1386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

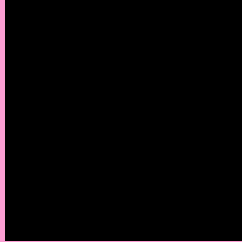
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4735, 49.2763, 67.1386

Background



This preview shows how black text looks on a background with the XYZ color 63.4735, 49.2763, 67.1386.



This preview shows how white text looks on a background with the XYZ color 63.4735, 49.2763,

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

63.4735, 49.2763, 67.1386

Protanopia

49.6233, 49.7022, 81.1068

Deuteranopia

50.6335, 49.6479, 65.3068



Tritanopia

59.2914, 49.1031, 47.4271

Trichromacy



Original Color

63.4735, 49.2763, 67.1386



Protanomaly

53.4166, 48.7712, 75.7057



Deuteranomaly

54.5250, 48.9911, 65.6139



Tritanomaly

60.5334, 49.0770, 53.8593

Monochromacy



Original Color

63.4735, 49.2763, 67.1386



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

53.7537, 50.4636, 60.3334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4735, 49.2763, 67.1386 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(251, 157, 210)` looks like.

```
.text, #text, p{  
    color:rgb(251, 157, 210)  
}
```

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(251, 157, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 157, 210) }
```

Border

The CSS property to change the border of an element to XYZ 63.4735, 49.2763, 67.1386 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(251, 157, 210) }
```


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

```
.border{ border-color:rgb(251, 157, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 157, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 157, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 157, 210);  
box-shadow:4px 4px 4px 4px rgb(251, 157,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4735, 49.2763, 67.1386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 157, 210) }
```

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

```
.background{ background-color: rgb(251,  
157, 210) }
```

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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