

Converting Colors

XYZ(77.2415, 56.9352, 60.7269)

Have a look what the booklet for
XYZ(77.2415, 56.9352, 60.7269)
contains.

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Color

**XYZ(63.9469, 50.1798,
60.3481)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9FC7
RGB	255, 159, 199
RGB Percent	100%, 62%, 78%
CMY	0.0000, 0.3764, 0.2196
CMYK	0.00, 0.38, 0.22, 0.00
HSL	335°, 100%, 81%
HSV	335°, 38%, 100%
XYZ	63.9469, 50.1798, 60.3481
YIQ	192.2640, 44.3760, 32.7920

Conversions

Conversions Part 2

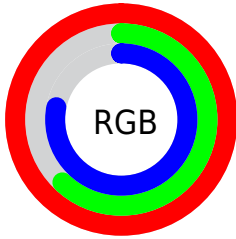
Format	Color
R _Y B	255, 159, 199
Decimal	16752583
CIE Lab	76.18, 40.80, -5.35
CIE LCh	76, 41.149, 352.523
Yxy	50.1798, 0.3665, 0.2876
Android (android.graphics.Color)	4294942663 (0xFFFF9FC7)
YUV	192.2640, 3.3208, 55.0195
Hunter-Lab	70.8377, 37.1703, -0.9240

Details

The XYZ color **63.9469, 50.1798, 60.3481** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.3258, 83.7982, 77.1835**, and the grayscale version is **50.2214, 52.8369, 57.5393**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **33.2908, 24.2227, 29.7089** is the 20% darker color. If you saturate the color by 10%, you get **58.3619, 41.6401, 50.3776**, and if you desaturate by 10%, it is **70.6078, 60.6006, 71.5115**.

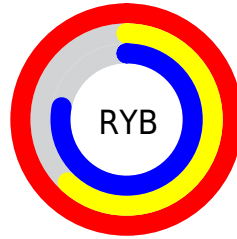
Distribution



Red (100%)

Green (62%)

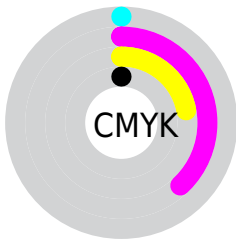
Blue (78%)



Red (100%)

Yellow (62%)

Blue (78%)

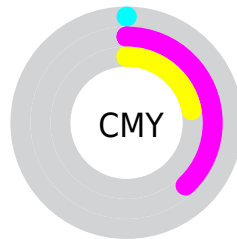


Cyan (0%)

Magenta (38%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9469, 50.1798, 60.3481 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 63.9469, 50.1798, 60.3481 by changing the saturation by 10% instead.


 63.9469, 50.1798,
60.3481


 63.9469, 50.1798,
60.3481


428.6031,
387.3687, 443.7199

 46.8692, 35.5563,
43.2721


 109.6086, 90.4412,
106.8828

 33.1398, 24.0917,
29.7657


 138.9233,
116.8479, 137.1786

 22.3933, 15.4017,
19.4103

173.0478,
147.9511, 172.7181

 14.2644, 9.1018,
11.7873

212.3473,
184.1352, 213.9198

 8.3877, 4.8076,
6.4782

257.1872,
225.7846, 261.2023

 4.3979, 2.1348,
3.0646

307.9329,

 1.9296, 0.6841,

273.2838, 314.9841

1.1277

364.9498,
327.0170, 375.6838

■ 0.5940, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9469, 50.1798,
60.3481

■ 63.9469, 50.1798,
60.3481

■ 58.3619, 41.6401,
50.3776

■ 70.6078, 60.6006,
71.5115

■ 53.7881, 34.8605,
41.5528

■ 78.3965, 72.9998,
83.9061

■ 50.1596, 29.7168,
33.8275

■ 87.3663, 87.4762,
97.5722

■ 47.4001, 26.0656,
27.1502

95.0500, 100.0000,
108.9000

■ 45.4209, 23.7377,
21.4636

■ 44.1059, 22.5107,
16.6999

■ 43.8541, 22.3057,
15.6959

Harmonies

Analogous

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



60.4470, 50.1798, 84.7401



63.9469, 50.1798, 60.3481



62.7336, 50.1798, 39.9402

Triad

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



63.9469, 50.1798, 60.3481



42.2405, 50.1798, 24.0639



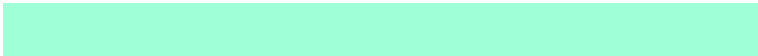
39.2345, 50.1798, 95.7100

Complementary

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



63.9469, 50.1798, 60.3481



62.3258, 83.7982, 77.1835

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.



35.2741, 50.1798, 72.5587



63.9469, 50.1798, 60.3481



36.8748, 50.1798, 32.6699

Square

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



63.9469, 50.1798, 60.3481



49.6489, 50.1798, 22.4372



34.4592, 50.1798, 49.2986



45.7919, 50.1798, 108.4406

Rectangle

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



63.9469, 50.1798, 60.3481



59.4704, 50.1798, 30.6806



34.4592, 50.1798, 49.2986



37.5856, 50.1798, 88.6327

Sweetspot

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



63.9482, 50.1821, 60.3491



84.2218, 82.3814, 92.8424



58.4744, 46.4660, 100.4946



17.7633, 17.2070, 19.4719



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.



63.9482, 50.1821, 60.3491



59.7381, 43.7227, 52.9011



61.3184, 51.4031, 39.4938



18.3233, 18.1126, 20.3194



22.9850, 11.6833, 8.5716



2.2909, 1.1587, 1.1134

Inverse Universe

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



63.9482, 50.1821, 60.3491



59.7381, 43.7227, 52.9011



65.6103, 81.1135, 106.8062



18.3233, 18.1126, 20.3194



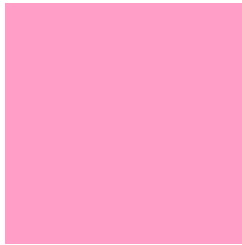
22.9850, 11.6833, 8.5716



2.2909, 1.1587, 1.1134

Previews

White Background



This preview shows how the XYZ color 63.9469, 50.1798, 60.3481 looks on a white background.

Color Contrast Check

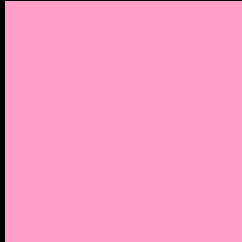
Large Text (above 18pt) WCAG AA × Fail

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 63.9469, 50.1798, 60.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

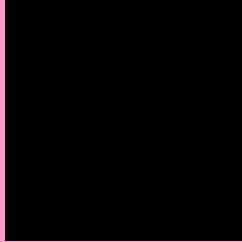
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9469, 50.1798, 60.3481

Background



This preview shows how black text looks on a background with the XYZ color 63.9469, 50.1798, 60.3481.



This preview shows how white text looks on a background with the XYZ color 63.9469, 50.1798,

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

63.9469, 50.1798, 60.3481

Protanopia

49.6934, 50.5658, 72.1068

Deuteranopia

51.4124, 50.5036, 58.6682



Tritanopia

61.3431, 50.1722, 47.0085

Trichromacy



Original Color

63.9469, 50.1798, 60.3481



Protanomaly

53.6495, 49.6527, 67.7291



Deuteranomaly

55.2241, 49.7872, 58.9238



Tritanomaly

62.4451, 50.3722, 51.7790

Monochromacy



Original Color

63.9469, 50.1798, 60.3481



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

54.1959, 51.0297, 58.6230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9469, 50.1798, 60.3481 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, 159, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 199)  
}
```

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, 159, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 199) }
```

Border

The CSS property to change the border of an element to XYZ 63.9469, 50.1798, 60.3481 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, 159, 199) }
```


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

```
.border{ border-color:rgb(255, 159, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9469, 50.1798, 60.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 199) }
```

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

```
.background{ background-color: rgb(255,  
159, 199) }
```

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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