

Converting Colors

XYZ(64.1021, 50.0075, 72.5790)

Have a look what the booklet for
XYZ(64.1021, 50.0075, 72.5790)
contains.

XYZ(64.1199, 49.9980, 72.6007)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.1199, 49.9980,
72.6007)**

Conversions

Conversions Part 1

Format	Color
Hex	F99FDA
RGB	249, 159, 218
RGB Percent	98%, 62%, 85%
CMY	0.0235, 0.3764, 0.1451
CMYK	0.00, 0.36, 0.12, 0.02
HSL	321°, 88%, 80%
HSV	321°, 36%, 98%
XYZ	64.1199, 49.9980, 72.6007
YIQ	192.6360, 34.7010, 37.4290

Conversions

Conversions Part 2

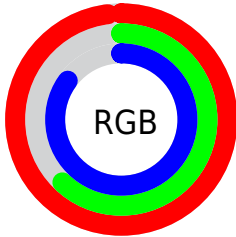
Format	Color
R_{YB}	249, 159, 218
Decimal	16359386
CIE _{Lab}	76.07, 41.67, -15.99
CIE _{LCh}	76, 44.635, 339.011
Yxy	49.9980, 0.3434, 0.2678
Android (android.graphics.Color)	4294549466 (0xFFFF99FDA)
YUV	192.6360, 12.5045, 49.4312
Hunter-Lab	70.7093, 38.1245, -11.3795

Details

The XYZ color **64.1199, 49.9980, 72.6007** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.4702, 78.8414, 60.9076**, and the grayscale version is **50.3911, 53.0154, 57.7337**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **33.2508, 24.0288, 37.5358** is the 20% darker color. If you saturate the color by 10%, you get **59.1681, 41.8439, 65.5552**, and if you desaturate by 10%, it is **69.9952, 59.9047, 80.2417**.

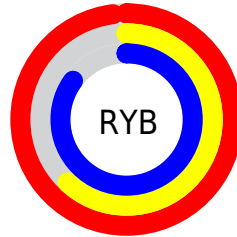
Distribution



Red (98%)

Green (62%)

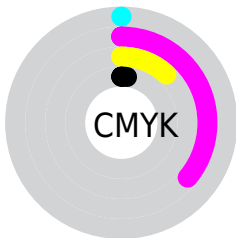
Blue (85%)



Red (98%)

Yellow (62%)

Blue (85%)

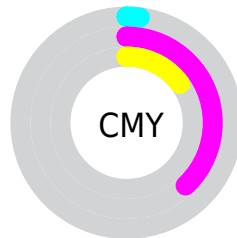


Cyan (0%)

Magenta (36%)

Yellow (12%)

Black (2%)



Cyan (2%)


Magenta (38%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1199, 49.9980, 72.6007 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 64.1199, 49.9980, 72.6007 by changing the saturation by 10% instead.


 64.1199, 49.9980,
72.6007


 64.1199, 49.9980,
72.6007


429.2179,
386.6581, 488.6634

 47.0098, 35.4118,
53.1597

 109.8564, 90.1719,
124.6258

 33.2514, 23.9803,
37.5417


 139.2135,
116.5284, 158.0471

 22.4793, 15.3190,
25.3281


173.3836,
147.5772, 196.9654

 14.3281, 9.0436,
16.1004

212.7322,
183.7025, 241.7995

 8.4324, 4.7696,
9.4401

257.6246,
225.2889, 292.9677

 4.4270, 2.1127,
4.9286

308.4261,

 1.9464, 0.6718,

272.7207, 350.8888

2.1474

365.5020,
326.3823, 415.9811

■ 0.6036, 0.0000,
0.6438

■ 0.0000, 0.0000,
0.0000

■ 64.1199, 49.9980,
72.6007

■ 64.1199, 49.9980,
72.6007

■ 59.1681, 41.8439,
65.5552

■ 69.9952, 59.9047,
80.2417

■ 55.0824, 35.3310,
59.0801

■ 76.8380, 71.6530,
88.4955

■ 51.8056, 30.3459,
53.1527

■ 84.6950, 85.3339,
97.3823

■ 49.2716, 26.7575,
47.7462

■ 92.4470, 98.7078,
106.5329

■ 47.4030, 24.4127,
42.8304

■ 92.8772, 98.8799,
108.7983

■ 46.1038, 23.1214,
38.3685

■ 45.6986, 22.7924,
36.7488

Harmonies

Analogous

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



58.3467, 49.9980, 98.4870



64.1199, 49.9980, 72.6007



65.1832, 49.9980, 47.5587

Triad

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



64.1199, 49.9980, 72.6007



45.0541, 49.9980, 20.5132



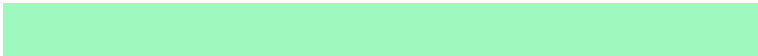
36.1192, 49.9980, 88.7651

Complementary

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



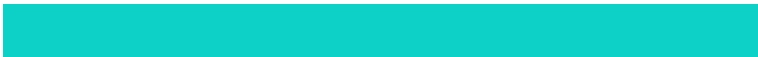
64.1199, 49.9980, 72.6007



57.4702, 78.8414, 60.9076

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.



33.3786, 49.9980, 61.9535



64.1199, 49.9980, 72.6007



38.1258, 49.9980, 25.9846

Square

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



64.1199, 49.9980, 72.6007



53.4996, 49.9980, 21.8345



34.0676, 49.9980, 39.5914



42.0064, 49.9980, 109.5569

Rectangle

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



64.1199, 49.9980, 72.6007



62.9692, 49.9980, 35.0667



34.0676, 49.9980, 39.5914



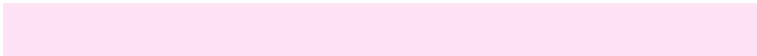
34.8327, 49.9980, 79.8864

Sweetspot

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



64.1214, 50.0003, 72.6017



85.2285, 82.7840, 98.1437



50.4856, 42.4574, 95.1574



18.0032, 17.3030, 20.7353



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.



64.1214, 50.0003, 72.6017



63.9732, 46.6396, 71.4329



59.1069, 47.9945, 46.1957



17.7242, 17.4170, 20.4032



24.5310, 12.2281, 20.0367



2.3218, 1.1525, 2.1182

Inverse Universe

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



64.1214, 50.0003, 72.6017



63.9732, 46.6396, 71.4329



63.0268, 81.0640, 90.1682



17.7242, 17.4170, 20.4032



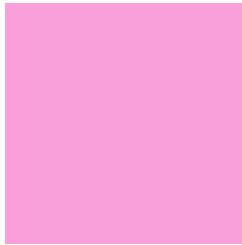
24.5310, 12.2281, 20.0367



2.3218, 1.1525, 2.1182

Previews

White Background



This preview shows how the XYZ color 64.1199, 49.9980, 72.6007 looks on a white background.

Color Contrast Check

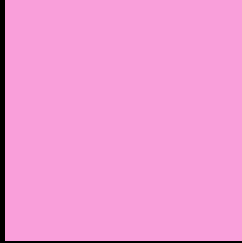
Large Text (above 18pt) WCAG AA × Fail

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 64.1199, 49.9980, 72.6007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

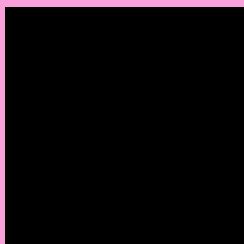
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1199, 49.9980, 72.6007

Background



This preview shows how black text looks on a background with the XYZ color 64.1199, 49.9980, 72.6007.



This preview shows how white text looks on a background with the XYZ color 64.1199, 49.9980,

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

64.1199, 49.9980, 72.6007

Protanopia

50.6037, 50.4040, 86.4187

Deuteranopia

51.3192, 50.1913, 70.6014



Tritanopia

59.0811, 49.7602, 49.1386

Trichromacy



Original Color

64.1199, 49.9980, 72.6007



Protanomaly

54.2968, 49.4043, 80.8030



Deuteranomaly

55.1333, 49.4745, 70.9337



Tritanomaly

60.7289, 49.6375, 56.8323

Monochromacy



Original Color

64.1199, 49.9980, 72.6007



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

54.6251, 51.4581, 62.9305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1199, 49.9980, 72.6007 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(249, 159, 218)` looks like.

```
.text, #text, p{  
    color:rgb(249, 159, 218)  
}
```

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(249, 159, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 159, 218) }
```

Border

The CSS property to change the border of an element to XYZ 64.1199, 49.9980, 72.6007 is called "border". The border property can be set on classes, ids or directly on the HTML element.

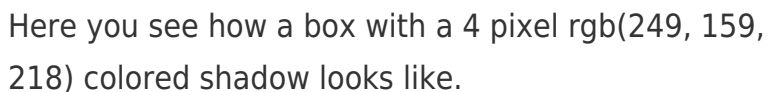
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(249, 159, 218) }
```


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

```
.border{ border-color:rgb(249, 159, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(249, 159, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 159, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 159, 218); box-shadow:4px 4px 4px 4px rgb(249, 159, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1199, 49.9980, 72.6007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 159, 218) }
```

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

```
.background{ background-color: rgb(249,  
159, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor