

Converting Colors

XYZ(64.9521, 50.9991, 79.7654)

Have a look what the booklet for
XYZ(64.9521, 50.9991, 79.7654)
contains.

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Color

**XYZ(64.9300, 51.0349,
79.8273)**

Conversions

Conversions Part 1

Format	Color
Hex	F6A2E4
RGB	246, 162, 228
RGB Percent	96%, 64%, 89%
CMY	0.0353, 0.3647, 0.1059
CMYK	0.00, 0.34, 0.07, 0.04
HSL	313°, 82%, 80%
HSV	313°, 34%, 96%
XYZ	64.9300, 51.0349, 79.8273
YIQ	194.6400, 28.8780, 38.3340

Conversions

Conversions Part 2

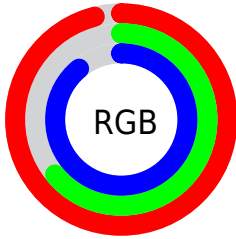
Format	Color
R _Y B	246, 162, 228
Decimal	16163556
CIE _{Lab}	76.70, 40.79, -20.51
CIE _{LCh}	77, 45.656, 333.302
Yxy	51.0349, 0.3316, 0.2607
Android (android.graphics.Color)	4294353636 (0xFFF6A2E4)
YUV	194.6400, 16.4465, 45.0427
Hunter-Lab	71.4387, 37.2193, -16.2449

Details

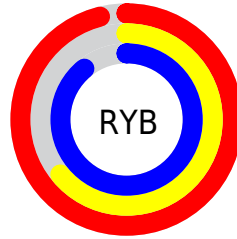
The XYZ color **64.9300, 51.0349, 79.8273** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.0965, 76.8899, 55.0679**, and the grayscale version is **51.5523, 54.2371, 59.0642**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **33.6541, 24.6072, 42.0056** is the 20% darker color. If you saturate the color by 10%, you get **60.2927, 42.9130, 74.7259**, and if you desaturate by 10%, it is **70.4403, 60.8655, 85.3309**.

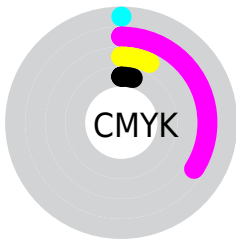
Distribution



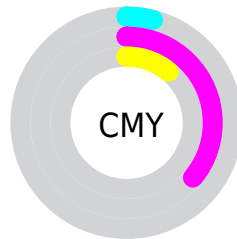
- Red (96%)
- Green (64%)
- Blue (89%)



- Red (96%)
- Yellow (64%)
- Blue (89%)



- Cyan (0%)
- Magenta (34%)
- Yellow (7%)
- Black (4%)





- Cyan (4%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9300, 51.0349, 79.8273 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 64.9300, 51.0349, 79.8273 by changing the saturation by 10% instead.


 64.9300, 51.0349,
79.8273


 64.9300, 51.0349,
79.8273


432.0896,
390.6994, 514.0420

 47.6688, 36.2364,
59.0509

 111.0155, 91.7064,
134.9321

 33.7748, 24.6168,
42.2338

 140.5705,
118.3481, 170.0976

 22.8828, 15.7918,
28.9575

174.9541,
149.7063, 210.8966

 14.6272, 9.3769,
18.8034

214.5318,
186.1655, 257.7475

 8.6428, 4.9879,
11.3529

259.6688,
228.1100, 311.0690

 4.5641, 2.2401,
6.1876

310.7305,

 2.0260, 0.7417,

275.9242, 371.2795

2.8888

368.0823,
329.9926, 438.7977

■ 0.6485, 0.0000,
1.0382

■ 0.0000, 0.0000,
0.0000

■ 64.9300, 51.0349,
79.8273

■ 64.9300, 51.0349,
79.8273

■ 60.2927, 42.9130,
74.7259

■ 70.4403, 60.8655,
85.3309

■ 56.4739, 36.3935,
70.0060

■ 76.8648, 72.4891,
91.2497

■ 53.4202, 31.3691,
65.6493

■ 84.2475, 85.9929,
97.5999

■ 51.0696, 27.7163,
61.6341

■ 90.8792, 97.9582,
103.8128

■ 49.3505, 25.2918,
57.9356

■ 91.7137, 98.2920,
108.2071

■ 48.1750, 23.9205,
54.5235

■ 91.8165, 98.3331,
108.7487

■ 47.6638, 23.4560,
52.6329

Harmonies

Analogous

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



58.2212, 51.0349, 105.6276



64.9300, 51.0349, 79.8273



67.0728, 51.0349, 52.8706

Triad

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



64.9300, 51.0349, 79.8273



47.5558, 51.0349, 20.2961



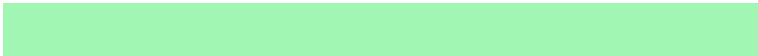
35.8948, 51.0349, 86.0291

Complementary

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



64.9300, 51.0349, 79.8273



56.0965, 76.8899, 55.0679

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.



33.7287, 51.0349, 58.3563



64.9300, 51.0349, 79.8273



39.9386, 51.0349, 24.5138

Square

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



64.9300, 51.0349, 79.8273



56.3679, 51.0349, 22.9586



35.1171, 51.0349, 36.8013



41.4134, 51.0349, 109.8922

Rectangle

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



64.9300, 51.0349, 79.8273



65.4372, 51.0349, 38.7795



35.1171, 51.0349, 36.8013



34.7823, 51.0349, 76.6143

Sweetspot

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



64.9316, 51.0372, 79.8284



86.5804, 84.4487, 101.7979



48.1014, 42.0570, 92.7725



18.2954, 17.6439, 21.5835



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.



64.9316, 51.0372, 79.8284



66.8684, 49.0766, 82.7360



59.9194, 49.0323, 53.4346



17.0526, 16.7039, 20.0238



25.4945, 12.5413, 28.3763



2.2777, 1.1170, 2.6887

Inverse Universe

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



64.9316, 51.0372, 79.8284



66.8684, 49.0766, 82.7360



60.8825, 78.8043, 80.2708



17.0526, 16.7039, 20.0238



25.4945, 12.5413, 28.3763



2.2777, 1.1170, 2.6887

Previews

White Background



This preview shows how the XYZ color 64.9300, 51.0349, 79.8273 looks on a white background.

Color Contrast Check

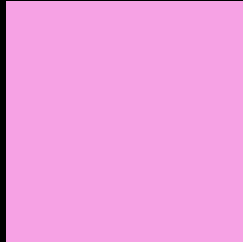
Large Text (above 18pt) WCAG AA × Fail

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 64.9300, 51.0349, 79.8273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

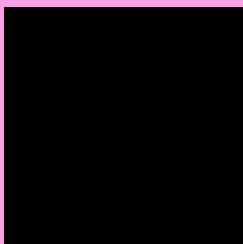
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9300, 51.0349, 79.8273

Background



This preview shows how black text looks on a background with the XYZ color 64.9300, 51.0349, 79.8273.



This preview shows how white text looks on a background with the XYZ color 64.9300, 51.0349,

79.8273.

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

64.9300, 51.0349, 79.8273

Protanopia

52.0733, 51.6189, 94.4077

Deuteranopia

52.5417, 51.2862, 77.6510



Tritanopia

59.1498, 51.1118, 52.0954

Trichromacy



Original Color

64.9300, 51.0349, 79.8273



Protanomaly

55.5195, 50.7516, 88.5312



Deuteranomaly

56.4641, 50.8776, 78.0785



Tritanomaly

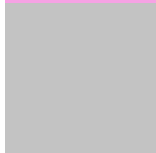
61.0459, 51.0526, 61.2803

Monochromacy



Original Color

64.9300, 51.0349, 79.8273



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

55.9275, 52.6681, 66.2497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9300, 51.0349, 79.8273 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(246, 162, 228)` looks like.

```
.text, #text, p{  
    color:rgb(246, 162, 228)  
}
```

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(246, 162, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 162, 228) }
```

Border

The CSS property to change the border of an element to XYZ 64.9300, 51.0349, 79.8273 is called "border". The border property can be set on classes, ids or directly on the HTML element.

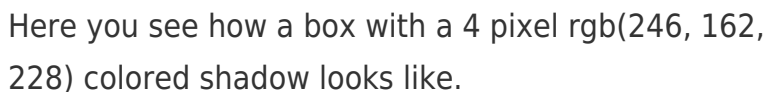
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(246, 162, 228) }
```


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

```
.border{ border-color:rgb(246, 162, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(246, 162, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 162, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 162, 228); box-shadow:4px 4px 4px 4px rgb(246, 162, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9300, 51.0349, 79.8273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 162, 228) }
```

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

```
.background{ background-color: rgb(246,  
162, 228) }
```

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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