

Converting Colors

XYZ(90.3762, 63.0643, 71.4388)

Have a look what the booklet for
XYZ(90.3762, 63.0643, 71.4388)
contains.

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Color

**XYZ(65.5627, 50.2802,
70.5395)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9DD7
RGB	255, 157, 215
RGB Percent	100%, 62%, 84%
CMY	0.0000, 0.3843, 0.1569
CMYK	0.00, 0.38, 0.16, 0.00
HSL	324°, 100%, 81%
HSV	324°, 38%, 100%
XYZ	65.5627, 50.2802, 70.5395
YIQ	192.9140, 39.7900, 38.8140

Conversions

Conversions Part 2

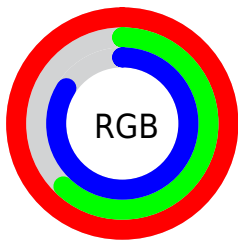
Format	Color
R _Y B	255, 157, 215
Decimal	16752087
CIE Lab	76.24, 44.19, -14.02
CIE LCh	76, 46.364, 342.398
Yxy	50.2802, 0.3518, 0.2698
Android (android.graphics.Color)	4294942167 (0xFFFF9DD7)
YUV	192.9140, 10.8884, 54.4494
Hunter-Lab	70.9085, 40.9529, -9.3455

Details

The XYZ color **65.5627, 50.2802, 70.5395** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.7445, 82.7202, 65.6442**, and the grayscale version is **50.5609, 53.1941, 57.9283**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **34.2214, 24.1089, 36.1075** is the 20% darker color. If you saturate the color by 10%, you get **60.3947, 42.0170, 62.4269**, and if you desaturate by 10%, it is **71.7184, 60.3822, 79.4024**.

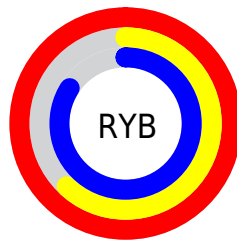
Distribution



Red (100%)

Green (62%)

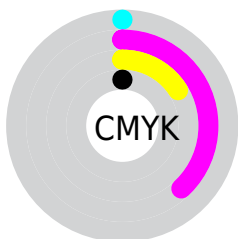
Blue (84%)



Red (100%)

Yellow (62%)

Blue (84%)

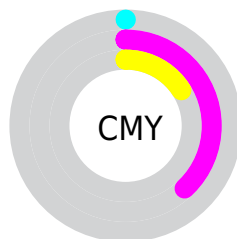


Cyan (0%)

Magenta (38%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5627, 50.2802, 70.5395 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 65.5627, 50.2802, 70.5395 by changing the saturation by 10% instead.

 65.5627, 50.2802,
70.5395


 65.5627, 50.2802,
70.5395


434.3246,
387.7607, 481.2822

 48.1839, 35.6361,
51.4870

 111.9197, 90.5899,
121.6661

 34.1844, 24.1533,
36.2169


 141.6285,
117.0243, 154.5773

 23.1989, 15.4474,
24.3107


176.1782,
148.1575, 192.9451

 14.8619, 9.1340,
15.3500

215.9339,
184.3740, 237.1880

 8.8082, 4.8287,
8.9160

261.2610,
226.0582, 287.7247

 4.6724, 2.1471,
4.5904

312.5249,

 2.0891, 0.6909,

273.5944, 344.9736

1.9545

370.0910,
327.3671, 409.3532

■ 0.6833, 0.0000,
0.5271

■ 0.0000, 0.0000,
0.0000

■ 65.5627, 50.2802,
70.5395

■ 65.5627, 50.2802,
70.5395

■ 60.3947, 42.0170,
62.4269

■ 71.7184, 60.3822,
79.4024

■ 56.1529, 35.4727,
55.0346

■ 78.9113, 72.4203,
89.0378

■ 52.7740, 30.5230,
48.3340

■ 87.1918, 86.4926,
99.4705

■ 50.1848, 27.0243,
42.2926

95.0500, 100.0000,
108.9000

■ 48.2990, 24.8066,
36.8732

■ 46.9961, 23.6320,
32.0268

■ 46.8190, 23.4916,
31.3084

Harmonies

Analogous

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



59.9726, 50.2802, 98.2640



65.5627, 50.2802, 70.5395



66.0489, 50.2802, 45.0962

Triad

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



65.5627, 50.2802, 70.5395



44.2893, 50.2802, 20.0338



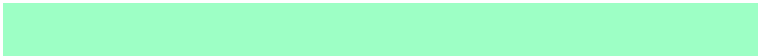
36.4762, 50.2802, 93.7942

Complementary

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



65.5627, 50.2802, 70.5395



59.7445, 82.7202, 65.6442

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.



33.2502, 50.2802, 65.6840



65.5627, 50.2802, 70.5395



37.3799, 50.2802, 26.4538

Square

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



65.5627, 50.2802, 70.5395



53.0258, 50.2802, 20.6149



33.5596, 50.2802, 41.5065



42.9104, 50.2802, 114.2430

Rectangle

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



65.5627, 50.2802, 70.5395



63.3416, 50.2802, 32.8905



33.5596, 50.2802, 41.5065



35.0178, 50.2802, 84.6174

Sweetspot

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



65.5639, 50.2824, 70.5405



84.1070, 81.2281, 95.6520



52.9260, 43.0991, 100.1372



17.7685, 16.9883, 20.1800



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.



65.5639, 50.2824, 70.5405



61.5627, 43.8619, 64.3303



60.2551, 48.1589, 42.5848



18.4605, 18.1675, 21.0423



24.5399, 12.3053, 16.7594



2.4436, 1.2198, 1.9175

Inverse Universe

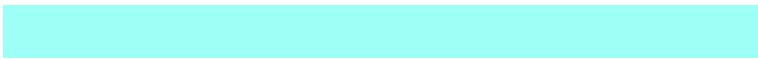
The Inverse Universe completely reimagines the original color for something new.



65.5639, 50.2824, 70.5405



61.5627, 43.8619, 64.3303



66.1779, 85.2936, 99.5222



18.4605, 18.1675, 21.0423



24.5399, 12.3053, 16.7594



2.4436, 1.2198, 1.9175

Previews

White Background



This preview shows how the XYZ color 65.5627, 50.2802, 70.5395 looks on a white background.

Color Contrast Check

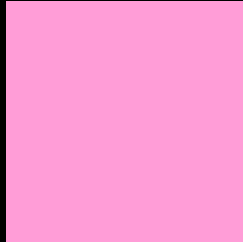
Large Text (above 18pt) WCAG AA × Fail

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 65.5627, 50.2802, 70.5395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

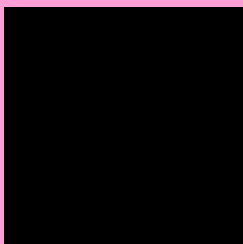
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.5627, 50.2802, 70.5395

Background



This preview shows how black text looks on a background with the XYZ color 65.5627, 50.2802, 70.5395.



This preview shows how white text looks on a background with the XYZ color 65.5627, 50.2802,

70.5395.

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

65.5627, 50.2802, 70.5395

Protanopia

50.8972, 50.8859, 85.7367

Deuteranopia

51.5923, 50.3904, 67.9799



Tritanopia

60.9949, 50.2345, 48.0764

Trichromacy



Original Color

65.5627, 50.2802, 70.5395



Protanomaly

54.7058, 49.6312, 80.0953



Deuteranomaly

55.9332, 49.9310, 68.9770



Tritanomaly

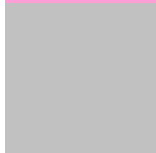
62.2937, 49.9468, 55.6477

Monochromacy



Original Color

65.5627, 50.2802, 70.5395



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

55.1828, 51.4585, 62.2824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5627, 50.2802, 70.5395 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, 157, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 215)  
}
```

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, 157, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 215) }
```

Border

The CSS property to change the border of an element to XYZ 65.5627, 50.2802, 70.5395 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, 157, 215) }
```


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

```
.border{ border-color:rgb(255, 157, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 157, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5627, 50.2802, 70.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 215) }
```

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

```
.background{ background-color: rgb(255,  
157, 215) }
```

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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