

Converting Colors

XYZ(70.8619, 55.8106, 87.9300)

Have a look what the booklet for
XYZ(70.8619, 55.8106, 87.9300)
contains.

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Color

**XYZ(70.8606, 55.8090,
87.9264)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA9EE
RGB	255, 169, 238
RGB Percent	100%, 66%, 93%
CMY	0.0000, 0.3372, 0.0667
CMYK	0.00, 0.34, 0.07, 0.00
HSL	312°, 100%, 83%
HSV	312°, 34%, 100%
XYZ	70.8606, 55.8090, 87.9264
YIQ	202.5800, 29.1070, 39.6910

Conversions

Conversions Part 2

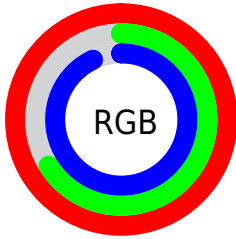
Format	Color
R _{YB}	255, 169, 238
Decimal	16755182
CIE _{Lab}	79.50, 41.72, -21.58
CIE _{LCh}	80, 46.968, 332.647
Yxy	55.8090, 0.3302, 0.2601
Android (android.graphics.Color)	4294945262 (0xFFFFA9EE)
YUV	202.5800, 17.4621, 45.9723
Hunter-Lab	74.7054, 38.5788, -17.4890

Details

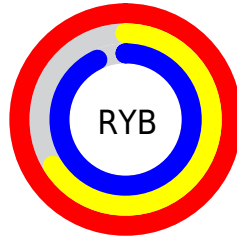
The XYZ color **70.8606, 55.8090, 87.9264** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.9869, 83.5011, 59.3601**, and the grayscale version is **56.3841, 59.3205, 64.6000**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **37.6002, 27.5092, 47.5840** is the 20% darker color. If you saturate the color by 10%, you get **65.8409, 46.9381, 82.6508**, and if you desaturate by 10%, it is **76.8286, 66.5428, 93.6218**.

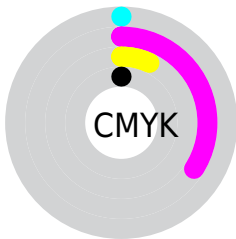
Distribution



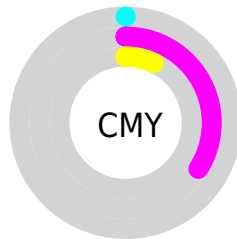
- Red (100%)
- Green (66%)
- Blue (93%)



- Red (100%)
- Yellow (66%)
- Blue (93%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8606, 55.8090, 87.9264 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 70.8606, 55.8090, 87.9264 by changing the saturation by 10% instead.


 70.8606, 55.8090,
87.9264

 70.8606, 55.8090,
87.9264


452.7854,
408.9713, 541.6572

 52.5106, 40.0498,
65.6981


 119.4548, 98.7253,
146.3649

 37.6381, 27.5774,
47.5725

150.4297,
126.6511, 183.4123

 25.8779, 18.0073,
33.1308


186.3436,
159.4013, 226.2364

 16.8645, 10.9552,
21.9548

227.5618,
197.3603, 275.2558

 10.2326, 6.0367,
13.6257

274.4498,
240.9123, 330.8890

 5.6169, 2.8674,
7.7250

327.3728,

 2.6520, 1.0629,

290.4419, 393.5546

3.8343

386.6962,
346.3335, 463.6712

■ 0.9725, 0.0000,
1.5349

■ 0.0000, 0.0000,
0.2437

■ 70.8606, 55.8090,
87.9264

■ 70.8606, 55.8090,
87.9264

■ 65.8409, 46.9381,
82.6508

■ 76.8286, 66.5428,
93.6218

■ 61.7116, 39.8152,
77.7728

■ 83.7909, 79.2320,
99.7511

■ 58.4141, 34.3234,
73.2727

■ 91.7950, 93.9711,
106.3316

■ 55.8812, 30.3285,
69.1273

95.0500, 100.0000,
108.9000

■ 54.0351, 27.6749,
65.3098

■ 52.7806, 26.1729,
61.7876

■ 52.2103, 25.6481,
59.6989

Harmonies

Analogous

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



63.4547, 55.8090, 115.9073



70.8606, 55.8090, 87.9264



73.3275, 55.8090, 58.3966

Triad

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



70.8606, 55.8090, 87.9264



52.2107, 55.8090, 22.2180



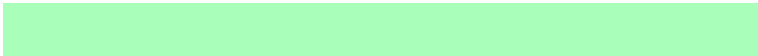
39.1786, 55.8090, 93.3556

Complementary

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



70.8606, 55.8090, 87.9264



60.9869, 83.5011, 59.3601

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.



36.8963, 55.8090, 63.1997



70.8606, 55.8090, 87.9264



43.8406, 55.8090, 26.6569

Square

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



70.8606, 55.8090, 87.9264



61.8321, 55.8090, 25.2943



38.4974, 55.8090, 39.8691



45.1321, 55.8090, 119.6401

Rectangle

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



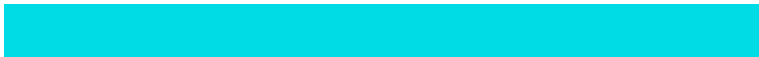
70.8606, 55.8090, 87.9264



71.6276, 55.8090, 42.8629



38.4974, 55.8090, 39.8691



37.9908, 55.8090, 83.0683

Sweetspot

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



70.8618, 55.8113, 87.9275



86.6468, 84.4753, 102.1476



52.1916, 45.8841, 100.7135



18.3116, 17.6503, 21.6686



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.



70.8618, 55.8113, 87.9275



67.6031, 50.0312, 84.5678



65.4199, 53.6345, 59.2708



18.6297, 18.2352, 21.9331



27.3353, 13.4234, 31.4801



2.6989, 1.3220, 3.2620

Inverse Universe

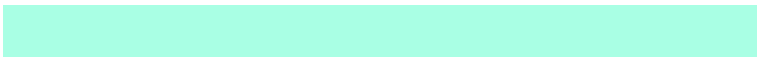
The Inverse Universe completely reimagines the original color for something new.



70.8618, 55.8113, 87.9275



67.6031, 50.0312, 84.5678



66.0949, 85.5443, 86.2586



18.6297, 18.2352, 21.9331



27.3353, 13.4234, 31.4801



2.6989, 1.3220, 3.2620

Previews

White Background



This preview shows how the XYZ color 70.8606, 55.8090, 87.9264 looks on a white background.

Color Contrast Check

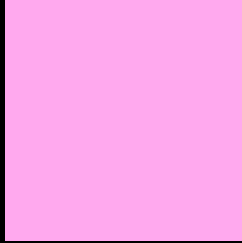
Large Text (above 18pt) WCAG AA × Fail

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 70.8606, 55.8090, 87.9264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

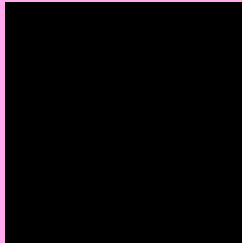
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.8606, 55.8090, 87.9264

Background



This preview shows how black text looks on a background with the XYZ color 70.8606, 55.8090, 87.9264.



This preview shows how white text looks on a background with the XYZ color 70.8606, 55.8090,

87.9264.

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

70.8606, 55.8090, 87.9264

Protanopia

56.8565, 56.1953, 102.4579

Deuteranopia

57.4744, 56.2226, 85.6647



Tritanopia

64.5017, 55.7863, 57.2374

Trichromacy



Original Color

70.8606, 55.8090, 87.9264



Protanomaly

60.9523, 55.5127, 97.1250



Deuteranomaly

61.3493, 55.3392, 86.0453



Tritanomaly

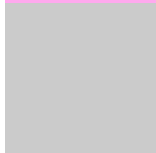
66.6223, 55.7726, 67.5754

Monochromacy



Original Color

70.8606, 55.8090, 87.9264



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

61.1497, 57.7491, 72.8895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8606, 55.8090, 87.9264 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, 169, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 238)  
}
```

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, 169, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 238) }
```

Border

The CSS property to change the border of an element to XYZ 70.8606, 55.8090, 87.9264 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, 169, 238) }
```


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

```
.border{ border-color:rgb(255, 169, 238) }
```

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

Here you see how a box with a 4 pixel rgb(255, 169, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8606, 55.8090, 87.9264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 238) }
```

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

```
.background{ background-color: rgb(255,  
169, 238) }
```

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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