

Converting Colors

XYZ(83.4358, 64.9064, 65.3766)

Have a look what the booklet for
XYZ(83.4358, 64.9064, 65.3766)
contains.

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Color

**XYZ(67.6644, 56.6703,
64.4989)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0CC
RGB	255, 176, 204
RGB Percent	100%, 69%, 80%
CMY	0.0000, 0.3098, 0.2000
CMYK	0.00, 0.31, 0.20, 0.00
HSL	339°, 100%, 85%
HSV	339°, 31%, 100%
XYZ	67.6644, 56.6703, 64.4989
YIQ	202.8130, 38.0960, 25.4560

Conversions

Conversions Part 2

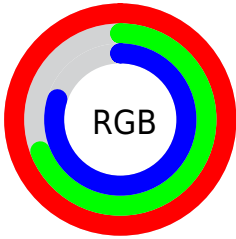
Format	Color
R _Y B	255, 176, 204
Decimal	16756940
CIE Lab	79.99, 32.69, -2.46
CIE LCh	80, 32.781, 355.693
Yxy	56.6703, 0.3583, 0.3001
Android (android.graphics.Color)	4294947020 (0xFFFFB0CC)
YUV	202.8130, 0.5852, 45.7680
Hunter-Lab	75.2797, 28.7035, 1.8967

Details

The XYZ color **67.6644, 56.6703, 64.4989** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **67.5318, 86.2972, 85.7745**, and the grayscale version is **56.6284, 59.5775, 64.8799**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **35.6139, 28.2382, 32.4276** is the 20% darker color. If you saturate the color by 10%, you get **61.2547, 46.8456, 53.1300**, and if you desaturate by 10%, it is **75.2247, 68.4617, 77.2825**.

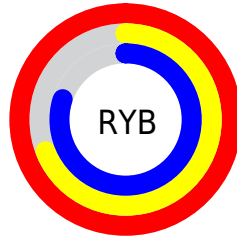
Distribution



Red (100%)

Green (69%)

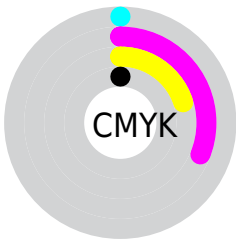
Blue (80%)



Red (100%)

Yellow (69%)

Blue (80%)

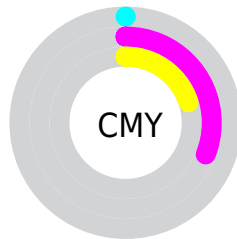


Cyan (0%)

Magenta (31%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6644, 56.6703, 64.4989 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 67.6644, 56.6703, 64.4989 by changing the saturation by 10% instead.


 67.6644, 56.6703,
64.4989

 67.6644, 56.6703,
64.4989


441.7014,
412.2127, 459.2459

 49.8974, 40.7406,
46.6061


 114.9165, 99.9840,
112.9355

 35.5494, 28.1164,
32.3723


145.1323,
128.1367, 144.3164

 24.2549, 18.4135,
21.3788


180.2284,
161.1326, 181.0304

 15.6485, 11.2472,
13.2073

220.5702,
199.3560, 223.4960

 9.3651, 6.2334,
7.4390

266.5231,
243.1913, 272.1318

 5.0391, 2.9875,
3.6556


318.4523,

 2.3052, 1.1252,


293.0229, 327.3564


1.4384


376.7233,
349.2353, 389.5882


 0.7973, 0.0000,
0.1714


 0.0000, 0.0000,
0.0000


 67.6644, 56.6703,
64.4989


 67.6644, 56.6703,
64.4989


 61.2547, 46.8456,
53.1300


 75.2247, 68.4617,
77.2825

 55.9323, 38.8720,
43.1208

 83.9862, 82.3118,
91.5261

 51.6338, 32.6335,
34.4174

 94.0015, 98.3160,
107.2771

 48.2875, 27.9977,
26.9605

95.0500, 100.0000,
108.9000

■ 45.8112, 24.8129,
20.6855

■ 44.1078, 22.8976,
15.5198

■ 43.1013, 22.0045,
11.7313

Harmonies

Analogous

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



65.1454, 56.6703, 84.7619



67.6644, 56.6703, 64.4989



66.2429, 56.6703, 47.1345

Triad

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



67.6644, 56.6703, 64.4989



48.5015, 56.6703, 34.2112



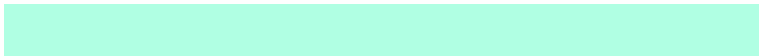
46.9653, 56.6703, 97.2151

Complementary

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



67.6644, 56.6703, 64.4989



67.5318, 86.2972, 85.7745

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.



43.1311, 56.6703, 79.0041



67.6644, 56.6703, 64.4989



43.9655, 56.6703, 43.2606

Square

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



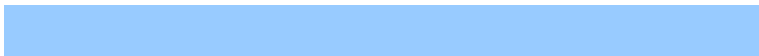
67.6644, 56.6703, 64.4989



54.8306, 56.6703, 31.8892



42.0795, 56.6703, 58.9917



52.9077, 56.6703, 105.9611

Rectangle

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



67.6644, 56.6703, 64.4989



63.3096, 56.6703, 39.0102



42.0795, 56.6703, 58.9917



45.4069, 56.6703, 91.8359

Sweetspot

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



67.6658, 56.6728, 64.5000



85.8661, 85.3036, 94.5205



64.9518, 54.4477, 101.6939



18.0819, 17.7857, 19.7586



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.



67.6658, 56.6728, 64.5000



63.6712, 50.5265, 57.4870



66.7497, 59.7401, 49.0905



18.2752, 18.0934, 20.0666



22.5854, 11.5235, 6.4672



2.2487, 1.1419, 0.8912

Inverse Universe

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



67.6658, 56.6728, 64.5000



63.6712, 50.5265, 57.4870



68.4475, 81.4339, 106.7185



18.2752, 18.0934, 20.0666



22.5854, 11.5235, 6.4672



2.2487, 1.1419, 0.8912

Previews

White Background



This preview shows how the XYZ color 67.6644, 56.6703, 64.4989 looks on a white background.

Color Contrast Check

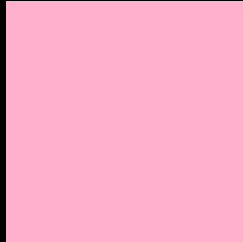
Large Text (above 18pt) WCAG AA × Fail

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 67.6644, 56.6703, 64.4989 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 67.6644, 56.6703, 64.4989

Background



This preview shows how black text looks on a background with the XYZ color 67.6644, 56.6703, 64.4989.



This preview shows how white text looks on a background with the XYZ color 67.6644, 56.6703,

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

67.6644, 56.6703, 64.4989

Protanopia

55.5166, 56.8126, 73.6855

Deuteranopia

58.0075, 56.6680, 63.1390



Tritanopia

66.3079, 56.7174, 57.3219

Trichromacy



Original Color

67.6644, 56.6703, 64.4989



Protanomaly

58.9947, 56.0541, 69.9975



Deuteranomaly

61.1746, 56.3710, 63.5336



Tritanomaly

66.5590, 56.5006, 59.6222

Monochromacy



Original Color

67.6644, 56.6703, 64.4989



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

59.9737, 57.9813, 64.5305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6644, 56.6703, 64.4989 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, 176, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 204)  
}
```

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, 176, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 204) }
```

Border

The CSS property to change the border of an element to XYZ 67.6644, 56.6703, 64.4989 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, 176, 204) }
```


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

```
.border{ border-color:rgb(255, 176, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6644, 56.6703, 64.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 204) }
```

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

```
.background{ background-color: rgb(255,  
176, 204) }
```

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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