

# Converting Colors

XYZ(66.0785, 48.6886, 68.9023)

Have a look what the booklet for  
XYZ(66.0785, 48.6886, 68.9023)  
contains.

<b>XYZ(63.9977, 47.5590, 68.7575)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(63.9977, 47.5590,  
68.7575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF95D5
RGB	255, 149, 213
RGB Percent	100%, 58%, 84%
CMY	0.0000, 0.4157, 0.1647
CMYK	0.00, 0.42, 0.16, 0.00
HSL	324°, 100%, 79%
HSV	324°, 42%, 100%
XYZ	63.9977, 47.5590, 68.7575
YIQ	187.9900, 42.6320, 42.3760

# Conversions

## Conversions Part 2

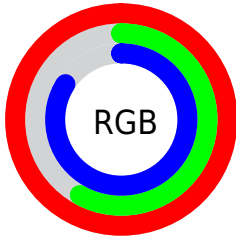
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 149, 213
Decimal	16750037
CIE <sub>Lab</sub>	74.55, 47.96, -15.47
CIE <sub>LCh</sub>	75, 50.390, 342.118
Yxy	47.5590, 0.3549, 0.2638
Android (android.graphics.Color)	4294940117 (0xFFFF95D5)
YUV	187.9900, 12.3299, 58.7678
Hunter-Lab	68.9630, 44.9627, -10.8392

# Details

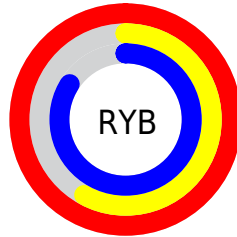
The XYZ color **63.9977, 47.5590, 68.7575** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.5602, 81.6720, 62.0240**, and the grayscale version is **47.7108, 50.1954, 54.6628**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **33.0287, 22.3888, 34.9284** is the 20% darker color. If you saturate the color by 10%, you get **59.1531, 39.8588, 61.0112**, and if you desaturate by 10%, it is **69.8075, 57.0615, 77.2210**.

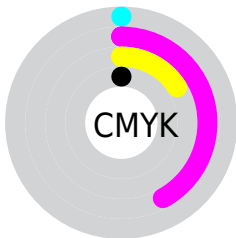
# Distribution



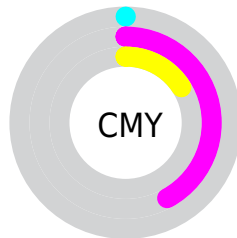
- Red (100%)
- Green (58%)
- Blue (84%)



- Red (100%)
- Yellow (58%)
- Blue (84%)



- Cyan (0%)
- Magenta (42%)
- Yellow (16%)
- Black (0%)



- Cyan (0%)
- Magenta (42%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9977, 47.5590, 68.7575 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 63.9977, 47.5590, 68.7575 by changing the saturation by 10% instead.





 63.9977, 47.5590,  
68.7575

 63.9977, 47.5590,  
68.7575

428.7837,  
377.0414, 474.8460

 46.9105, 33.4778,  
50.0437


 109.6814, 86.5474,  
119.0996

 33.1725, 22.4927,  
35.0767

 139.0086,  
112.2234, 151.5650

 22.4185, 14.2194,  
23.4379


173.1464,  
142.5332, 189.4513

 14.2831, 8.2734,  
14.7089

212.4603,  
177.8610, 233.1771

 8.4008, 4.2704,  
8.4710

257.3157,  
218.5914, 283.1609

 4.4064, 1.8259,  
4.3057

308.0778,

 1.9345, 0.5033,

265.1086, 339.8213

1.7945

365.1120,  
317.7972, 403.5768

■ 0.5968, 0.0000,  
0.4243

■ 0.0000, 0.0000,  
0.0000

■ 63.9977, 47.5590,  
68.7575

■ 63.9977, 47.5590,  
68.7575

■ 59.1531, 39.8588,  
61.0112

■ 69.8075, 57.0615,  
77.2210

■ 55.2108, 33.8376,  
53.9521

■ 76.6337, 68.4667,  
86.4239

■ 52.1051, 29.3664,  
47.5519

■ 84.5274, 81.8747,  
96.3907

■ 49.7594, 26.2946,  
41.7772

■ 93.5354, 97.3769,  
107.1434

■ 48.0819, 24.4409, 95.0500, 100.0000,  
36.5899 108.9000

■ 47.0692, 23.5917,  
32.6264

# Harmonies

## Analogous

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



57.9919, 47.5590, 98.5952



63.9977, 47.5590, 68.7575



64.5740, 47.5590, 41.9545

# Triad

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



63.9977, 47.5590, 68.7575



41.6266, 47.5590, 16.6015



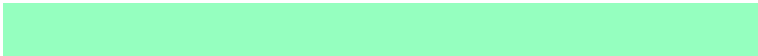
33.4200, 47.5590, 93.2183

# Complementary

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



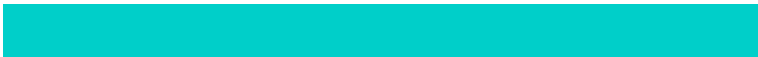
63.9977, 47.5590, 68.7575



57.5602, 81.6720, 62.0240

# 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.



30.1547, 47.5590, 63.0393



63.9977, 47.5590, 68.7575



34.4484, 47.5590, 22.7832

# Square

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



63.9977, 47.5590, 68.7575



50.7957, 47.5590, 17.2204



30.5040, 47.5590, 37.8620



40.0374, 47.5590, 115.6656



# Rectangle

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



63.9977, 47.5590, 68.7575



61.7134, 47.5590, 29.4374



30.5040, 47.5590, 37.8620



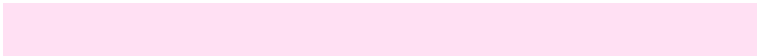
31.9367, 47.5590, 83.2800

# Sweetspot

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



63.9988, 47.5611, 68.7584



84.1621, 81.2501, 95.9421



49.9432, 39.6174, 99.6224



17.7814, 16.9935, 20.2484



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.



63.9988, 47.5611, 68.7584



59.8508, 40.9509, 62.1783



58.4544, 45.3433, 39.5619



18.4700, 18.1713, 21.0921



24.6703, 12.3574, 17.4463



2.4559, 1.2247, 1.9824



# Inverse Universe

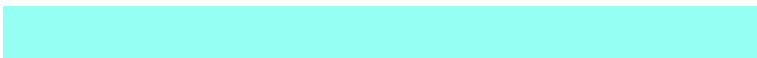
The Inverse Universe completely reimagines the original color for something new.



63.9988, 47.5611, 68.7584



59.8508, 40.9509, 62.1783



64.2780, 84.3591, 97.3997



18.4700, 18.1713, 21.0921



24.6703, 12.3574, 17.4463



2.4559, 1.2247, 1.9824



# Previews

## White Background



This preview shows how the XYZ color 63.9977, 47.5590, 68.7575 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

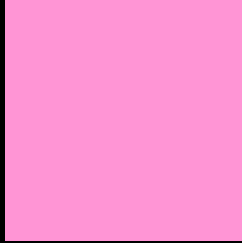
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.9977, 47.5590, 68.7575 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

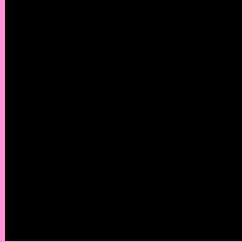
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.9977, 47.5590, 68.7575**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.9977, 47.5590, 68.7575.



This preview shows how white text looks on a background with the XYZ color 63.9977, 47.5590,



# 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

63.9977, 47.5590, 68.7575

### Protanopia

48.3009, 48.0001, 85.3165

### Deuteranopia

48.7405, 47.7414, 66.3206



## Tritanopia

58.6427, 47.3025, 43.5756

# Trichromacy



## Original Color

63.9977, 47.5590, 68.7575



## Protanomaly

52.3272, 46.7130, 78.9316



## Deuteranomaly

53.3670, 46.9545, 67.2232



## Tritanomaly

60.4574, 47.3094, 51.8441

# Monochromacy



## Original Color

63.9977, 47.5590, 68.7575



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

52.3655, 48.3004, 59.3863

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.9977, 47.5590, 68.7575 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, 149, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 213)  
}
```

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, 149, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 63.9977, 47.5590, 68.7575 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, 149, 213) }
```



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

```
.border{ border-color:rgb(255, 149, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 149, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.9977, 47.5590, 68.7575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 213) }
```

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

```
.background{ background-color: rgb(255,  
149, 213) }
```

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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