

Converting Colors

XYZ(63.7801, 47.9848, 66.0306)

Have a look what the booklet for
XYZ(63.7801, 47.9848, 66.0306)
contains.

XYZ(63.8152, 47.9967, 66.2225)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.8152, 47.9967,
66.2225)**

Conversions

Conversions Part 1

Format	Color
Hex	FF97D1
RGB	255, 151, 209
RGB Percent	100%, 59%, 82%
CMY	0.0000, 0.4078, 0.1804
CMYK	0.00, 0.41, 0.18, 0.00
HSL	327°, 100%, 80%
HSV	327°, 41%, 100%
XYZ	63.8152, 47.9967, 66.2225
YIQ	188.7080, 43.3660, 40.0860

Conversions

Conversions Part 2

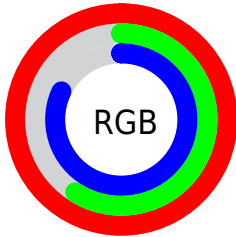
Format	Color
R _Y B	255, 151, 209
Decimal	16750545
CIE Lab	74.82, 46.35, -12.86
CIE LCh	75, 48.096, 344.491
Yxy	47.9967, 0.3584, 0.2696
Android (android.graphics.Color)	4294940625 (0xFFFF97D1)
YUV	188.7080, 10.0040, 58.1381
Hunter-Lab	69.2797, 43.1814, -8.1779

Details

The XYZ color **63.8152, 47.9967, 66.2225** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.6024, 82.1314, 65.5910**, and the grayscale version is **48.1317, 50.6383, 55.1451**.

A 20% lighter version of the original color is **81.6028, 73.1056, 104.4176**, and **32.9560, 22.6517, 33.6456** is the 20% darker color. If you saturate the color by 10%, you get **58.7989, 40.1202, 57.9028**, and if you desaturate by 10%, it is **69.8203, 57.6919, 75.3607**.

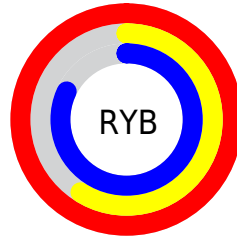
Distribution



Red (100%)

Green (59%)

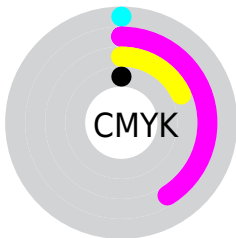
Blue (82%)



Red (100%)

Yellow (59%)

Blue (82%)

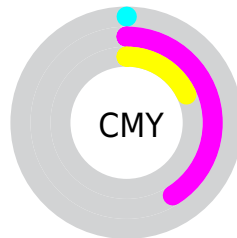


Cyan (0%)

Magenta (41%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8152, 47.9967, 66.2225 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 63.8152, 47.9967, 66.2225 by changing the saturation by 10% instead.


 63.8152, 47.9967,
66.2225


 63.8152, 47.9967,
66.2225


428.1348,
378.7790, 465.5981

 46.7621, 33.8243,
47.9954


 109.4200, 87.1995,
115.4357

 33.0548, 22.7586,
33.4633


 138.7024,
112.9986, 147.2588

 22.3279, 14.4154,
22.2076


172.7920,
143.4422, 184.4511

 14.2160, 8.4101,
13.8097

212.0541,
178.9144, 227.4311

 8.3537, 4.3585,
7.8512

256.8541,
219.7999, 276.6172

 4.3758, 1.8760,
3.9135

307.5573,

 1.9169, 0.5339,

266.4829, 332.4280

1.5780

364.5291,
319.3478, 395.2822

■ 0.5866, 0.0000,
0.2751

■ 0.0000, 0.0000,
0.0000

■ 63.8152, 47.9967,
66.2225

■ 63.8152, 47.9967,
66.2225

■ 58.7989, 40.1202,
57.9028

■ 69.8203, 57.6919,
75.3607

■ 54.7078, 33.9396,
50.3689

■ 76.8651, 69.3054,
85.3424

■ 51.4766, 29.3270,
43.5890

■ 85.0012, 82.9371,
96.1950

■ 49.0289, 26.1333,
37.5270

■ 94.2757, 98.6781,
107.9432

■ 47.2737, 24.1800,
32.1415

95.0500, 100.0000,
108.9000

■ 46.1380, 23.2192,
27.7226

Harmonies

Analogous

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



58.4465, 47.9967, 94.6880



63.8152, 47.9967, 66.2225



63.9119, 47.9967, 41.1128

Triad

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



63.8152, 47.9967, 66.2225



41.5400, 47.9967, 18.1277



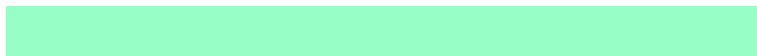
34.6454, 47.9967, 93.7922

Complementary

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



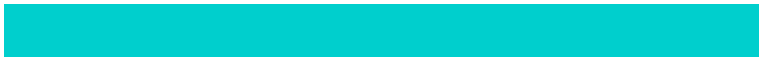
63.8152, 47.9967, 66.2225



58.6024, 82.1314, 65.5910

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.



31.1998, 47.9967, 65.2599



63.8152, 47.9967, 66.2225



34.8214, 47.9967, 24.8856

Square

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



63.8152, 47.9967, 66.2225



50.2646, 47.9967, 18.2372



31.2598, 47.9967, 40.4129



41.2696, 47.9967, 113.7495

Rectangle

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



63.8152, 47.9967, 66.2225



60.9286, 47.9967, 29.4592



31.2598, 47.9967, 40.4129



33.1169, 47.9967, 84.5472

Sweetspot

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



63.8164, 47.9989, 66.2235



83.9500, 81.1653, 94.8254



51.9010, 41.1006, 99.8055



17.7315, 16.9735, 19.9854



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.



63.8164, 47.9989, 66.2235



59.6232, 41.3961, 59.3268



58.4740, 45.8619, 38.0908



18.4335, 18.1567, 20.9001



24.1845, 12.1631, 14.8880



2.4098, 1.2063, 1.7392

Inverse Universe

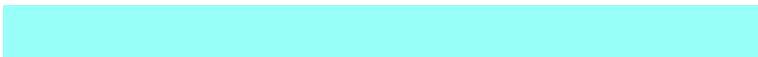
The Inverse Universe completely reimagines the original color for something new.



63.8164, 47.9989, 66.2235



59.6232, 41.3961, 59.3268



65.4774, 84.8814, 101.7943



18.4335, 18.1567, 20.9001



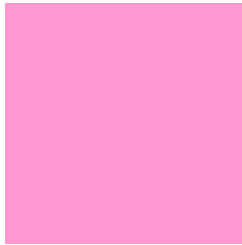
24.1845, 12.1631, 14.8880



2.4098, 1.2063, 1.7392

Previews

White Background



This preview shows how the XYZ color 63.8152, 47.9967, 66.2225 looks on a white background.

Color Contrast Check

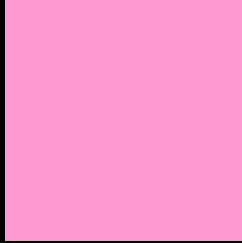
Large Text (above 18pt) WCAG AA × Fail

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 63.8152, 47.9967, 66.2225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

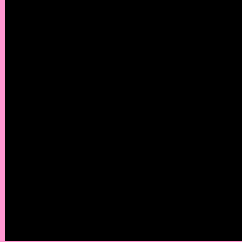
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8152, 47.9967, 66.2225

Background



This preview shows how black text looks on a background with the XYZ color 63.8152, 47.9967, 66.2225.



This preview shows how white text looks on a background with the XYZ color 63.8152, 47.9967,

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

63.8152, 47.9967, 66.2225

Protanopia

48.4500, 48.4644, 81.6639

Deuteranopia

49.2127, 48.3396, 63.8634



Tritanopia

59.2662, 47.8652, 44.1455

Trichromacy



Original Color

63.8152, 47.9967, 66.2225



Protanomaly

52.3763, 47.0963, 75.4372



Deuteranomaly

53.6474, 47.4311, 64.7201



Tritanomaly

60.5180, 47.5988, 51.3452

Monochromacy



Original Color

63.8152, 47.9967, 66.2225



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

52.7344, 48.7916, 58.8629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8152, 47.9967, 66.2225 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, 151, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 209)  
}
```

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, 151, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 209) }
```

Border

The CSS property to change the border of an element to XYZ 63.8152, 47.9967, 66.2225 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, 151, 209) }
```


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

```
.border{ border-color:rgb(255, 151, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8152, 47.9967, 66.2225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 209) }
```

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

```
.background{ background-color: rgb(255,  
151, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor