

# Converting Colors

XYZ(62.2235, 47.8794, 56.2392)

Have a look what the booklet for  
XYZ(62.2235, 47.8794, 56.2392)  
contains.

<b>XYZ(62.2569, 47.8927, 56.4150)</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(62.2569, 47.8927,  
56.4150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99C1
RGB	255, 153, 193
RGB Percent	100%, 60%, 76%
CMY	0.0000, 0.4000, 0.2431
CMYK	0.00, 0.40, 0.24, 0.00
HSL	336°, 100%, 80%
HSV	336°, 40%, 100%
XYZ	62.2569, 47.8927, 56.4150
YIQ	188.0580, 47.9520, 34.0640

# Conversions

## Conversions Part 2

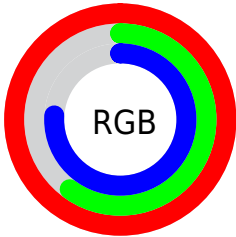
Format	Color
R <sub>Y</sub> B	255, 153, 193
Decimal	16751041
CIE Lab	74.76, 43.04, -4.16
CIE LCh	75, 43.235, 354.482
Yxy	47.8927, 0.3738, 0.2875
Android (android.graphics.Color)	4294941121 (0xFFFF99C1)
YUV	188.0580, 2.4364, 58.7081
Hunter-Lab	69.2046, 39.4719, 0.1105

# Details

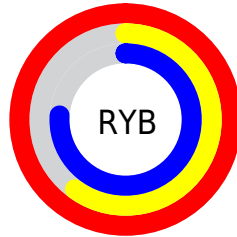
The XYZ color **62.2569, 47.8927, 56.4150** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.1645, 83.1995, 77.1291**, and the grayscale version is **47.8016, 50.2910, 54.7669**.

A 20% lighter version of the original color is **81.1393, 73.7005, 99.5716**, and **32.0557, 22.7436, 27.5114** is the 20% darker color. If you saturate the color by 10%, you get **56.8807, 39.7642, 46.5342**, and if you desaturate by 10%, it is **68.7084, 57.8815, 67.5496**.

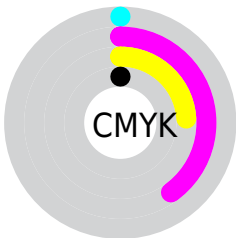
# Distribution



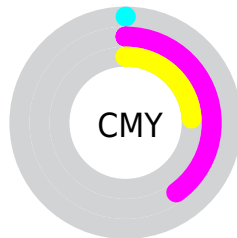
- Red (100%)
- Green (60%)
- Blue (76%)



- Red (100%)
- Yellow (60%)
- Blue (76%)



- Cyan (0%)
- Magenta (40%)
- Yellow (24%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2569, 47.8927, 56.4150 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 62.2569, 47.8927, 56.4150 by changing the saturation by 10% instead.





 62.2569, 47.8927,  
56.4150


 62.2569, 47.8927,  
56.4150


422.5702,  
378.3667, 428.6858

 45.4967, 33.7419,  
40.1295

 107.1846, 87.0446,  
101.1029

 32.0518, 22.6954,  
27.3250

 136.0828,  
112.8146, 130.3425

 21.5568, 14.3688,  
17.5829


169.7577,  
143.2263, 164.7371

 13.6464, 8.3776,  
10.4846

208.5746,  
178.6644, 204.7054

 7.9552, 4.3375,  
5.6116

252.8990,  
219.5130, 250.6659

 4.1178, 1.8641,  
2.5455

303.0962,

 1.7690, 0.5267,

266.1567, 303.0371

0.8641

359.5314,  
318.9798, 362.2375

■ 0.4989, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.2569, 47.8927,  
56.4150

■ 62.2569, 47.8927,  
56.4150

■ 56.8807, 39.7642,  
46.5342

■ 68.7084, 57.8815,  
67.5496

■ 52.5136, 33.3726,  
37.8560

■ 76.2893, 69.8308,  
79.9806

■ 49.0867, 28.5898,  
30.3292

■ 85.0541, 83.8411,  
93.7518

■ 46.5207, 25.2669,  
23.8971

95.0500, 100.0000,  
108.9000

■ 44.7218, 23.2264,  
18.4961

■ 43.5402, 22.1802,  
14.0421

■ 43.5399, 22.1800,  
14.0411

# Harmonies

## Analogous

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



58.9435, 47.8927, 81.5059



62.2569, 47.8927, 56.4150



60.6846, 47.8927, 36.2070

# Triad

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



62.2569, 47.8927, 56.4150



39.5481, 47.8927, 21.8711



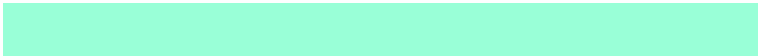
37.3031, 47.8927, 95.8347

# Complementary

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



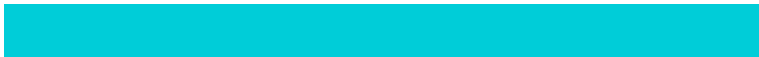
62.2569, 47.8927, 56.4150



61.1645, 83.1995, 77.1291

# 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.



33.1199, 47.8927, 72.1891



62.2569, 47.8927, 56.4150



34.3079, 47.8927, 30.8502

# Square

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



62.2569, 47.8927, 56.4150



46.9874, 47.8927, 19.8702



32.0896, 47.8927, 48.0999



44.0846, 47.8927, 108.0895



# Rectangle

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



62.2569, 47.8927, 56.4150



57.1605, 47.8927, 27.3451



32.0896, 47.8927, 48.0999



35.5790, 47.8927, 88.6762

# Sweetspot

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



62.2580, 47.8949, 56.4159



83.2017, 80.8659, 90.8847



57.2330, 44.3312, 100.1480



17.5556, 16.9031, 19.0591



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.



62.2580, 47.8949, 56.4159



57.8720, 41.2454, 48.4103



60.1241, 49.8277, 36.5886



18.3043, 18.1050, 20.2196



22.8186, 11.6167, 7.6952



2.2736, 1.1518, 1.0221



# Inverse Universe

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



62.2580, 47.8949, 56.4159



57.8720, 41.2454, 48.4103



63.7802, 79.1772, 106.5289



18.3043, 18.1050, 20.2196



22.8186, 11.6167, 7.6952



2.2736, 1.1518, 1.0221



# Previews

## White Background



This preview shows how the XYZ color 62.2569, 47.8927, 56.4150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

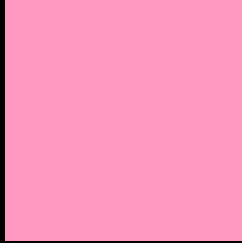
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.2569, 47.8927, 56.4150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

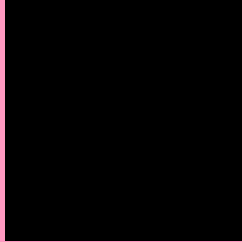
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.2569, 47.8927, 56.4150**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.2569, 47.8927, 56.4150.



This preview shows how white text looks on a background with the XYZ color 62.2569, 47.8927,



# 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

62.2569, 47.8927, 56.4150

### Protanopia

47.6395, 48.3237, 69.1039

### Deuteranopia

49.1248, 48.1937, 54.8573



## Tritanopia

59.7264, 47.8612, 43.6263

# Trichromacy



## Original Color

62.2569, 47.8927, 56.4150



## Protanomaly

51.5041, 47.1782, 64.1494



## Deuteranomaly

53.1842, 47.6828, 55.1158



## Tritanomaly

60.7974, 48.0621, 48.1920

# Monochromacy



## Original Color

62.2569, 47.8927, 56.4150



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

51.7756, 48.3747, 55.3236

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2569, 47.8927, 56.4150 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, 153, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 193)  
}
```

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, 153, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2569, 47.8927, 56.4150 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, 153, 193) }
```



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

```
.border{ border-color:rgb(255, 153, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2569, 47.8927, 56.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 193) }
```

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

```
.background{ background-color: rgb(255,  
153, 193) }
```

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