

# Converting Colors

XYZ(66.0042, 49.5515, 58.0470)

Have a look what the booklet for  
XYZ(66.0042, 49.5515, 58.0470)  
contains.

<b>XYZ(62.4320, 47.7020, 58.1414)</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(62.4320, 47.7020,  
58.1414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF98C4
RGB	255, 152, 196
RGB Percent	100%, 60%, 77%
CMY	0.0000, 0.4039, 0.2314
CMYK	0.00, 0.40, 0.23, 0.00
HSL	334°, 100%, 80%
HSV	334°, 40%, 100%
XYZ	62.4320, 47.7020, 58.1414
YIQ	187.8130, 47.2640, 35.5200

# Conversions

## Conversions Part 2

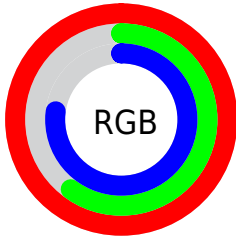
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 152, 196
Decimal	16750788
CIE Lab	74.64, 43.96, -5.99
CIE LCh	75, 44.368, 352.244
Yxy	47.7020, 0.3710, 0.2835
Android (android.graphics.Color)	4294940868 (0xFFFF98C4)
YUV	187.8130, 4.0362, 58.9230
Hunter-Lab	69.0666, 40.4864, -1.5646

# Details

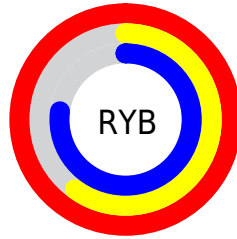
The XYZ color **62.4320, 47.7020, 58.1414** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.4687, 82.8995, 74.4460**, and the grayscale version is **47.6542, 50.1359, 54.5980**.

A 20% lighter version of the original color is **81.5255, 73.4636, 102.8115**, and **32.1093, 22.6124, 28.2635** is the 20% darker color. If you saturate the color by 10%, you get **57.1467, 39.6640, 48.5719**, and if you desaturate by 10%, it is **68.7712, 57.5884, 68.8620**.

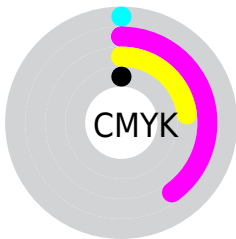
# Distribution



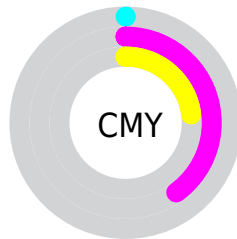
- Red (100%)
- Green (60%)
- Blue (77%)



- Red (100%)
- Yellow (60%)
- Blue (77%)



- Cyan (0%)
- Magenta (40%)
- Yellow (23%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4320, 47.7020, 58.1414 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 62.4320, 47.7020, 58.1414 by changing the saturation by 10% instead.




 62.4320, 47.7020,  
58.1414


 62.4320, 47.7020,  
58.1414


423.1976,  
377.6097, 435.3256

 45.6388, 33.5910,  
41.5069


 107.4361, 86.7605,  
103.6456

 32.1643, 22.5795,  
28.3927


 136.3776,  
112.4768, 133.3523

 21.6432, 14.2834,  
18.3803

170.0993,  
142.8303, 168.2535

 13.7101, 8.3180,  
11.0511

208.9666,  
178.2054, 208.7677

 7.9996, 4.2991,  
5.9866

253.3446,  
218.9865, 255.3135

 4.1465, 1.8422,  
2.7683

303.5989,

 1.7854, 0.5133,

265.5580, 308.3093

0.9776

360.0948,  
318.3043, 368.1739

■ 0.5088, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.4320, 47.7020,  
58.1414

■ 62.4320, 47.7020,  
58.1414

■ 57.1467, 39.6640,  
48.5719

■ 68.7712, 57.5884,  
68.8620

■ 52.8496, 33.3508,  
40.1074

■ 76.2176, 69.4231,  
80.7716

■ 49.4727, 28.6340,  
32.7018

■ 84.8250, 83.3068,  
93.9097

■ 46.9373, 25.3643,  
26.3041

■ 94.6425, 99.3313,  
108.3129

■ 45.1500, 23.3635, 95.0500, 100.0000,  
20.8568 108.9000

■ 43.9963, 22.3625,  
16.4443

# Harmonies

## Analogous

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



58.6816, 47.7020, 84.0090



62.4320, 47.7020, 58.1414



61.1924, 47.7020, 36.9280

# Triad

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



62.4320, 47.7020, 58.1414



39.7396, 47.7020, 20.8102



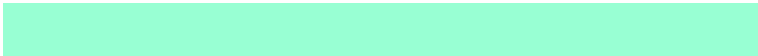
36.5235, 47.7020, 95.3547

# Complementary

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



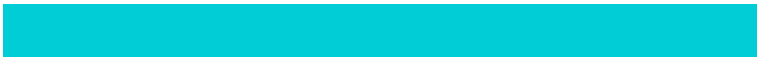
62.4320, 47.7020, 58.1414



60.4687, 82.8995, 74.4460

# 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.



32.4920, 47.7020, 70.5505



62.4320, 47.7020, 58.1414



34.1902, 47.7020, 29.2877

# Square

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



62.4320, 47.7020, 58.1414



47.4561, 47.7020, 19.2799



31.6913, 47.7020, 46.1949



43.2864, 47.7020, 109.2618



# Rectangle

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



62.4320, 47.7020, 58.1414



57.7630, 47.7020, 27.5135



31.6913, 47.7020, 46.1949



34.8385, 47.7020, 87.7190

# Sweetspot

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



62.4332, 47.7042, 58.1423



83.3583, 80.9286, 91.7093



55.9630, 43.4346, 100.0419



17.5924, 16.9178, 19.2527



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.



62.4332, 47.7042, 58.1423



58.3176, 41.4236, 50.7566



59.2843, 48.2798, 35.9030



18.3314, 18.1159, 20.3624



23.0601, 11.7133, 8.9671



2.2986, 1.1618, 1.1541



# Inverse Universe

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



62.4332, 47.7042, 58.1423



58.3176, 41.4236, 50.7566



64.6087, 81.1131, 106.8589



18.3314, 18.1159, 20.3624



23.0601, 11.7133, 8.9671

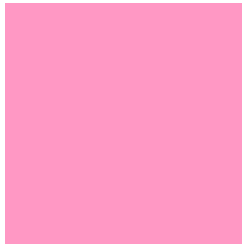


2.2986, 1.1618, 1.1541



# Previews

## White Background



This preview shows how the XYZ color 62.4320, 47.7020, 58.1414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

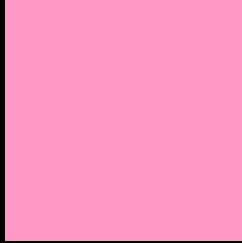
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.4320, 47.7020, 58.1414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

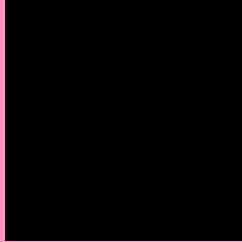
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.4320, 47.7020, 58.1414

## Background



This preview shows how black text looks on a background with the XYZ color 62.4320, 47.7020, 58.1414.



This preview shows how white text looks on a background with the XYZ color 62.4320, 47.7020,



# 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

62.4320, 47.7020, 58.1414

### Protanopia

47.5593, 48.2382, 71.0942

### Deuteranopia

49.0773, 48.1439, 55.9963



## Tritanopia

59.3633, 47.6740, 43.6093

# Trichromacy



## Original Color

62.4320, 47.7020, 58.1414



## Protanomaly

51.5913, 47.1809, 66.0622



## Deuteranomaly

53.0270, 47.2863, 56.7844



## Tritanomaly

60.3660, 47.5800, 48.6500

# Monochromacy



## Original Color

62.4320, 47.7020, 58.1414



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

51.8853, 48.4186, 55.9013

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4320, 47.7020, 58.1414 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, 152, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 196)  
}
```

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, 152, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4320, 47.7020, 58.1414 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, 152, 196) }
```



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

```
.border{ border-color:rgb(255, 152, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4320, 47.7020, 58.1414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 196) }
```

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

```
.background{ background-color: rgb(255,  
152, 196) }
```

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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