

# Converting Colors

XYZ(59.7531, 47.6695, 40.8309)

Have a look what the booklet for  
XYZ(59.7531, 47.6695, 40.8309)  
contains.

<b>XYZ(59.7393, 47.6813, 40.7051)</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(59.7393, 47.6813,  
40.7051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9CA3
RGB	255, 156, 163
RGB Percent	100%, 61%, 64%
CMY	0.0000, 0.3882, 0.3608
CMYK	0.00, 0.39, 0.36, 0.00
HSL	356°, 100%, 81%
HSV	356°, 39%, 100%
XYZ	59.7393, 47.6813, 40.7051
YIQ	186.3990, 56.7570, 23.1650

# Conversions

## Conversions Part 2

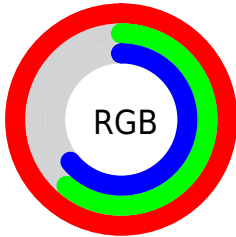
Format	Color
R <sub>Y</sub> B	255, 156, 163
Decimal	16751779
CIE Lab	74.62, 37.68, 12.17
CIE LCh	75, 39.595, 17.902
Yxy	47.6813, 0.4033, 0.3219
Android (android.graphics.Color)	4294941859 (0xFFFF9CA3)
YUV	186.3990, -11.5357, 60.1631
Hunter-Lab	69.0516, 33.5870, 13.3854

# Details

The XYZ color **59.7393, 47.6813, 40.7051** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **66.4158, 85.3662, 101.7885**, and the grayscale version is **46.9375, 49.3819, 53.7769**.

A 20% lighter version of the original color is **77.4384, 73.4089, 76.4176**, and **30.4844, 22.5840, 17.7914** is the 20% darker color. If you saturate the color by 10%, you get **53.9726, 39.2334, 29.2704**, and if you desaturate by 10%, it is **66.8046, 58.0893, 54.5365**.

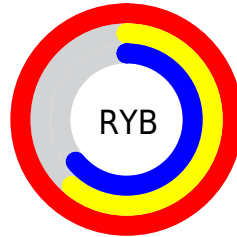
# Distribution



Red (100%)

Green (61%)

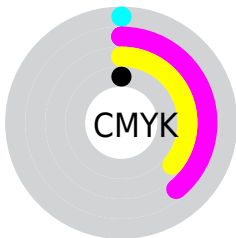
Blue (64%)



Red (100%)

Yellow (61%)

Blue (64%)

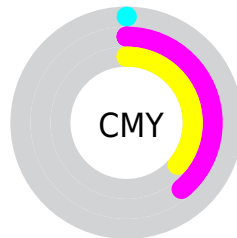


Cyan (0%)

Magenta (39%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (39%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7393, 47.6813, 40.7051 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 59.7393, 47.6813, 40.7051 by changing the saturation by 10% instead.





 59.7393, 47.6813,  
40.7051


 59.7393, 47.6813,  
40.7051


413.4863,  
377.5275, 364.7266

 43.4572, 33.5746,  
27.7708

 103.5599, 86.7297,  
77.4848

 30.4401, 22.5670,  
17.9154


 131.8291,  
112.4402, 102.1673

 20.3226, 14.2741,  
10.7204

164.8247,  
142.7873, 131.6029

 12.7394, 8.3115,  
5.7674

202.9121,  
178.1556, 166.2101

 7.3251, 4.2949,  
2.6377

246.4566,  
218.9293, 206.4076

 3.7144, 1.8399,  
0.9118

295.8235,

 1.5418, 0.5118,

265.4930, 252.6138

0.0000

351.3783,  
318.2309, 305.2473

■ 0.3540, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.7393, 47.6813,  
40.7051

■ 59.7393, 47.6813,  
40.7051

■ 53.9726, 39.2334,  
29.2704

■ 66.8046, 58.0893,  
54.5365

■ 49.4217, 32.6163,  
20.0934

■ 75.2370, 70.5620,  
70.8873

■ 46.0003, 27.6964,  
13.0251

■ 85.1046, 85.2051,  
89.8751

■ 43.6092, 24.3189,  
7.8977

95.0500, 100.0000,  
108.9000

■ 42.1316, 22.3004,  
4.5172

■ 41.4062, 21.3787,  
2.6445

■ 41.3493, 21.3037,  
2.5056

# Harmonies

## Analogous

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



60.1745, 47.6813, 60.6360



59.7393, 47.6813, 40.7051



55.2007, 47.6813, 27.7926

# Triad

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



59.7393, 47.6813, 40.7051



35.8437, 47.6813, 29.6976



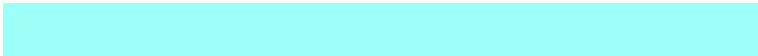
42.4922, 47.6813, 100.8610

# Complementary

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



59.7393, 47.6813, 40.7051



66.4158, 85.3662, 101.7885

# 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.



36.6943, 47.6813, 87.0542



59.7393, 47.6813, 40.7051



33.1359, 47.6813, 44.0764

# Square

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



59.7393, 47.6813, 40.7051



41.2140, 47.6813, 22.6878



33.4298, 47.6813, 65.0186



49.6892, 47.6813, 99.2591



# Rectangle

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



59.7393, 47.6813, 40.7051



50.7043, 47.6813, 23.2618



33.4298, 47.6813, 65.0186



40.3304, 47.6813, 97.7444

# Sweetspot

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



59.7406, 47.6836, 40.7060



81.8080, 80.3085, 83.5458



68.2095, 50.7281, 100.8041



17.2296, 16.7727, 17.3426



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.



59.7406, 47.6836, 40.7060



54.9298, 40.6318, 31.1802



67.2653, 63.7085, 40.2073



18.0614, 18.0079, 18.9406



21.6248, 11.1392, 1.4086



2.1228, 1.0915, 0.2281



# Inverse Universe

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



59.7406, 47.6836, 40.7060



54.9298, 40.6318, 31.1802



55.7457, 62.2567, 103.6863



18.0614, 18.0079, 18.9406



21.6248, 11.1392, 1.4086

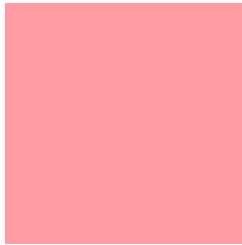


2.1228, 1.0915, 0.2281



# Previews

## White Background



This preview shows how the XYZ color 59.7393, 47.6813, 40.7051 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 59.7393, 47.6813, 40.7051 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 59.7393, 47.6813, 40.7051**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.7393, 47.6813, 40.7051.



This preview shows how white text looks on a background with the XYZ color 59.7393, 47.6813,



# 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

59.7393, 47.6813, 40.7051

### Protanopia

45.9556, 47.9001, 48.9430

### Deuteranopia

48.8441, 47.7964, 39.4521



## Tritanopia

60.1035, 47.8270, 42.6229

# Trichromacy



## Original Color

59.7393, 47.6813, 40.7051



## Protanomaly

49.9270, 47.0504, 45.9854



## Deuteranomaly

52.2117, 47.2449, 39.6250



## Tritanomaly

60.0114, 47.7901, 42.1379

# Monochromacy



## Original Color

59.7393, 47.6813, 40.7051



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

50.2298, 47.7232, 48.6836

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.7393, 47.6813, 40.7051 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, 156, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 163)  
}
```

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, 156, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 59.7393, 47.6813, 40.7051 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, 156, 163) }
```



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

```
.border{ border-color:rgb(255, 156, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.7393, 47.6813, 40.7051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 163) }
```

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

```
.background{ background-color: rgb(255,  
156, 163) }
```

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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