

# Converting Colors

XYZ(56.0125, 46.9379, 40.8533)

Have a look what the booklet for  
XYZ(56.0125, 46.9379, 40.8533)  
contains.

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# Color

**XYZ(55.9737, 47.0113,  
40.7743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2A1A3
RGB	242, 161, 163
RGB Percent	95%, 63%, 64%
CMY	0.0510, 0.3686, 0.3608
CMYK	0.00, 0.33, 0.33, 0.05
HSL	359°, 76%, 79%
HSV	359°, 33%, 95%
XYZ	55.9737, 47.0113, 40.7743
YIQ	185.4470, 47.6340, 17.7940

# Conversions

## Conversions Part 2

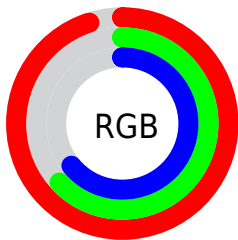
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 161, 163
Decimal	15901091
CIE Lab	74.20, 30.32, 11.35
CIE LCh	74, 32.377, 20.529
Yxy	47.0113, 0.3894, 0.3270
Android (android.graphics.Color)	4294091171 (0xFFF2A1A3)
YUV	185.4470, -11.0664, 49.5970
Hunter-Lab	68.5648, 25.7323, 12.7366

# Details

The XYZ color **55.9737, 47.0113, 40.7743** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **62.1803, 77.3737, 94.0995**, and the grayscale version is **46.4053, 48.8220, 53.1672**.

A 20% lighter version of the original color is **78.4508, 75.4337, 76.7550**, and **27.9990, 22.0632, 17.8218** is the 20% darker color. If you saturate the color by 10%, you get **50.2255, 38.5893, 29.3799**, and if you desaturate by 10%, it is **62.9376, 57.2325, 54.5222**.

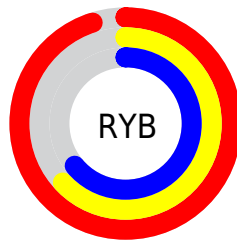
# Distribution



Red (95%)

Green (63%)

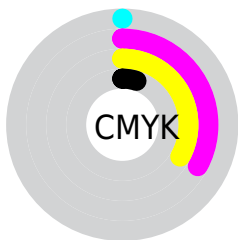
Blue (64%)



Red (95%)

Yellow (63%)

Blue (64%)

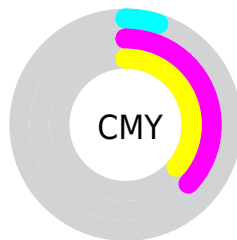


Cyan (0%)

Magenta (33%)

Yellow (33%)

Black (5%)



Cyan (5%)

Magenta (37%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9737, 47.0113, 40.7743 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 55.9737, 47.0113, 40.7743 by changing the saturation by 10% instead.





 55.9737, 47.0113,  
40.7743


 55.9737, 47.0113,  
40.7743


399.6690,  
374.8596, 365.0251

 40.4188, 33.0446,  
27.8244

 98.1062, 85.7305,  
77.5911

 28.0509, 22.1606,  
17.9554


 125.4144,  
111.2518, 102.2951

 18.5046, 13.9750,  
10.7489

157.3711,  
141.3933, 131.7542

 11.4148, 8.1032,  
5.7862

194.3416,  
176.5396, 166.3869

 6.4159, 4.1611,  
2.6488

236.6913,  
217.0750, 206.6118

 3.1426, 1.7641,  
0.9175

284.7855,

 1.2296, 0.4646,

263.3838, 252.8475

0.0000

338.9896,  
315.8506, 305.5124

■ 0.1296, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.9737, 47.0113,  
40.7743

■ 55.9737, 47.0113,  
40.7743

■ 50.2255, 38.5893,  
29.3799

■ 62.9376, 57.2325,  
54.5222

■ 45.6197, 31.8560,  
20.2044

■ 71.1772, 69.3414,  
70.7422

■ 42.0813, 26.6996,  
13.1043

■ 80.7533, 83.4287,  
89.5483

■ 39.5244, 22.9919,  
7.9177

■ 90.4280, 97.6173,  
108.6837

■ 37.8503, 20.5846,  
4.4591

■ 36.9394, 19.2977,  
2.5059

■ 36.6507, 18.8904,  
1.8857

# Harmonies

## Analogous

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



56.6232, 47.0113, 56.6302



55.9737, 47.0113, 40.7743



52.1615, 47.0113, 30.2614

# Triad

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



55.9737, 47.0113, 40.7743



36.6075, 47.0113, 33.4350



42.8710, 47.0113, 89.6416

# Complementary

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



55.9737, 47.0113, 40.7743



62.1803, 77.3737, 94.0995

# 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.



37.9555, 47.0113, 80.0461



55.9737, 47.0113, 40.7743



34.5514, 47.0113, 46.1048

# Square

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



55.9737, 47.0113, 40.7743



40.8813, 47.0113, 26.7050



35.0226, 47.0113, 63.2375



48.7131, 47.0113, 87.3448



# Rectangle

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



55.9737, 47.0113, 40.7743



48.5081, 47.0113, 26.5744



35.0226, 47.0113, 63.2375



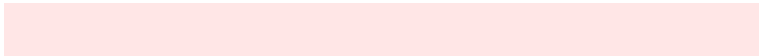
41.0641, 47.0113, 87.6335

# Sweetspot

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



55.9750, 47.0136, 40.7752



83.6988, 83.2961, 86.6236



64.4711, 50.3058, 90.3166



17.6002, 17.3658, 17.9225



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.



55.9750, 47.0136, 40.7752



58.5908, 46.4263, 37.1096



63.4298, 62.2071, 42.3851



15.7886, 15.7651, 16.4429



19.6962, 10.1509, 1.0511



1.6441, 0.8467, 0.1165



# Inverse Universe

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



55.9750, 47.0136, 40.7752



58.5908, 46.4263, 37.1096



52.3674, 57.2708, 92.2989



15.7886, 15.7651, 16.4429



19.6962, 10.1509, 1.0511



1.6441, 0.8467, 0.1165



# Previews

## White Background



This preview shows how the XYZ color 55.9737, 47.0113, 40.7743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

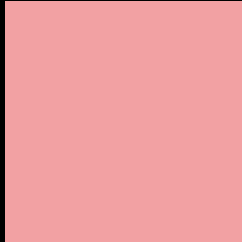
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9737, 47.0113, 40.7743 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 55.9737, 47.0113, 40.7743**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9737, 47.0113, 40.7743.



This preview shows how white text looks on a background with the XYZ color 55.9737, 47.0113,



# 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

55.9737, 47.0113, 40.7743

### Protanopia

45.1070, 47.2033, 46.7781

### Deuteranopia

48.1650, 47.1440, 39.8188



## Tritanopia

56.9793, 47.1749, 45.1322

# Trichromacy



## Original Color

55.9737, 47.0113, 40.7743

## Protanomaly

48.4042, 46.5843, 44.4707

## Deuteranomaly

50.8147, 47.0712, 40.1256

## Tritanomaly

56.6944, 47.0609, 43.6317

# Monochromacy



## Original Color

55.9737, 47.0113, 40.7743

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

48.9147, 47.3468, 48.1557

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9737, 47.0113, 40.7743 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(242, 161, 163) looks like.

```
.text, #text, p{  
    color:rgb(242, 161, 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(242, 161, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 161, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9737, 47.0113, 40.7743 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(242, 161, 163) }
```



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

```
.border{ border-color:rgb(242, 161, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 161, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 161, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 161, 163);  
box-shadow:4px 4px 4px 4px rgb(242, 161,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9737, 47.0113, 40.7743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 161, 163) }
```

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

```
.background{ background-color: rgb(242,  
161, 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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