

# Converting Colors

XYZ(41.3498, 25.0498, 15.8173)

Have a look what the booklet for  
XYZ(41.3498, 25.0498, 15.8173)  
contains.

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# Color

**XYZ(41.4987, 25.1490,  
15.7637)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F14E68
RGB	241, 78, 104
RGB Percent	95%, 31%, 41%
CMY	0.0549, 0.6941, 0.5922
CMYK	0.00, 0.68, 0.57, 0.05
HSL	350°, 85%, 63%
HSV	350°, 68%, 95%
XYZ	41.4987, 25.1490, 15.7637
YIQ	129.7010, 88.8020, 42.6420

# Conversions

## Conversions Part 2

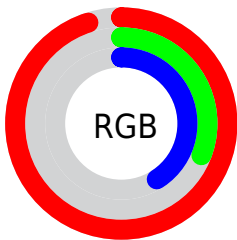
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">241, 78, 104</a>
Decimal	<a href="#">15814248</a>
CIELab	<a href="#">57.22, 63.71, 21.22</a>
CIELCh	<a href="#">57, 67.154, 18.424</a>
Yxy	<a href="#">25.1490, 0.5036, 0.3052</a>
Android (android.graphics.Color)	<a href="#">4294004328 (0xFFFF14E68)</a>
YUV	<a href="#">129.7010, -12.6706, 97.6092</a>
Hunter-Lab	<a href="#">50.1488, 59.9505, 16.4670</a>

# Details

The XYZ color **41.4987, 25.1490, 15.7637** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **46.8648, 69.4372, 75.2290**, and the grayscale version is **21.1352, 22.2359, 24.2149**.

A 20% lighter version of the original color is **55.9606, 41.2349, 36.0200**, and **19.3289, 9.8791, 4.7590** is the 20% darker color. If you saturate the color by 10%, you get **39.1807, 21.9668, 10.5099**, and if you desaturate by 10%, it is **44.6921, 29.6869, 22.5289**.

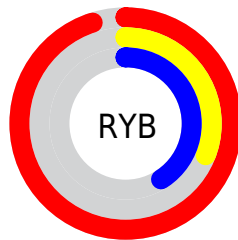
# Distribution



Red (95%)

Green (31%)

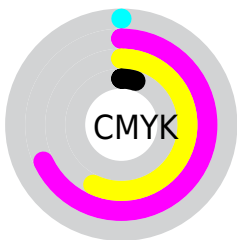
Blue (41%)



Red (95%)

Yellow (31%)

Blue (41%)

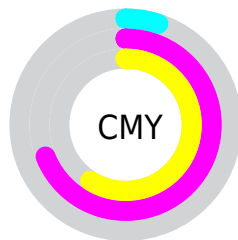


Cyan (0%)

Magenta (68%)

Yellow (57%)

Black (5%)



Cyan (5%)

Magenta (69%)


Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4987, 25.1490, 15.7637 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 41.4987, 25.1490, 15.7637 by changing the saturation by 10% instead.




 41.4987, 25.1490,  
15.7637


 41.4987, 25.1490,  
15.7637


343.4277,  
278.5792, 239.7412


 28.8984, 16.1881,  
9.2046


 76.7103, 51.8988,  
36.9486

 19.1478, 9.6574,  
4.7762


 100.0523, 70.4566,  
52.4113

 11.8818, 5.1724,  
2.0601


 127.7055, 92.9820,  
71.6791

 6.7349, 2.3488,  
0.5919

 160.0353,  
119.8596, 95.1703

 3.3417, 0.7993,  
0.0000

197.4071,  
151.4737, 123.3036

 1.3369, 0.0000,  
0.0000

240.1862,

 0.2106, 0.0000,

188.2088, 156.4975

0.0000

288.7379,  
230.4491, 195.1705

■ 0.0000, 0.0000,  
0.0000

■ 41.4987, 25.1490,  
15.7637

■ 41.4987, 25.1490,  
15.7637

■ 39.1807, 21.9668,  
10.5099

■ 44.6921, 29.6869,  
22.5289

■ 37.6458, 19.9840,  
6.6474

■ 48.8367, 35.7056,  
30.9101


■ 36.7777, 19.0008,  
4.0368


■ 54.0021, 43.3208,  
41.0039


■ 36.6323, 18.8434,  
3.5767

■ 60.2509, 52.6355,  
52.8988

■ 67.6403, 63.7440,  
66.6772

 76.2238, 76.7338,  
82.4165

 86.0514, 91.6865,  
100.1893

 90.0855, 97.4407,  
108.6677

# Harmonies

## Analogous

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



42.1839, 25.1490, 37.1210



41.4987, 25.1490, 15.7637



35.5261, 25.1490, 5.9759

# Triad

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



41.4987, 25.1490, 15.7637



14.2094, 25.1490, 7.4162



20.9704, 25.1490, 96.3782

# Complementary

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



41.4987, 25.1490, 15.7637



46.8648, 69.4372, 75.2290

# 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.



15.1402, 25.1490, 74.8077



41.4987, 25.1490, 15.7637



11.8547, 25.1490, 19.5169

# Square

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



41.4987, 25.1490, 15.7637



19.3980, 25.1490, 3.3276



12.1528, 25.1490, 43.6462



29.0574, 25.1490, 93.2856



# Rectangle

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



41.4987, 25.1490, 15.7637



29.9648, 25.1490, 3.5334



12.1528, 25.1490, 43.6462



18.7200, 25.1490, 91.4370

# Sweetspot

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



41.4993, 25.1504, 15.7641



74.7332, 69.2059, 71.7942



46.2856, 26.0724, 85.8117



15.4799, 14.0364, 14.4065



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.



41.4993, 25.1504, 15.7641



43.8152, 24.0108, 10.1860



45.9485, 35.8458, 11.7069



15.8756, 15.7999, 16.9010



19.8967, 10.2311, 2.1066



1.6855, 0.8632, 0.3347



# Inverse Universe

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



41.4993, 25.1504, 15.7641



43.8152, 24.0108, 10.1860



36.7202, 43.3717, 89.6549



15.8756, 15.7999, 16.9010



19.8967, 10.2311, 2.1066



1.6855, 0.8632, 0.3347



# Previews

## White Background



This preview shows how the XYZ color 41.4987, 25.1490, 15.7637 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

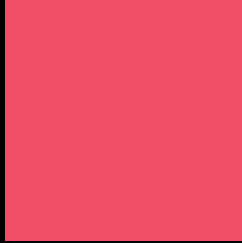
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4987, 25.1490, 15.7637 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 × Fail

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

**XYZ 41.4987, 25.1490, 15.7637**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4987, 25.1490, 15.7637.



This preview shows how white text looks on a background with the XYZ color 41.4987, 25.1490,

15.7637.

# 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

41.4987, 25.1490, 15.7637

### Protanopia

24.2658, 25.3080, 25.4358

### Deuteranopia

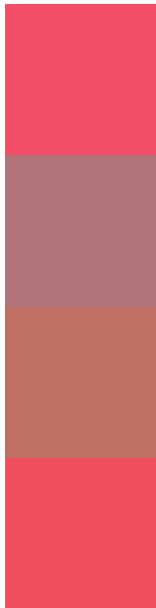
25.6724, 25.2396, 14.5850



## Tritanopia

40.5573, 25.0820, 11.5078

# Trichromacy



## Original Color

41.4987, 25.1490, 15.7637

## Protanomaly

28.1183, 23.3609, 21.4395

## Deuteranomaly

29.7845, 23.6957, 14.8083

## Tritanomaly

40.7796, 25.0529, 13.0423

# Monochromacy



## Original Color

41.4987, 25.1490, 15.7637

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

25.7132, 21.2954, 20.8444

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4987, 25.1490, 15.7637 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(241, 78, 104)` looks like.

```
.text, #text, p{  
    color:rgb(241, 78, 104)  
}
```

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(241, 78, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 78, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4987, 25.1490, 15.7637 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(241, 78, 104) }
```



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

```
.border{ border-color:rgb(241, 78, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 78, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 78, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 78, 104);  
box-shadow:4px 4px 4px 4px rgb(241, 78,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4987, 25.1490, 15.7637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 78, 104) }
```

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

```
.background{ background-color: rgb(241, 78,  
104) }
```

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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