

# Converting Colors

XYZ(42.6780, 24.5161, 25.0916)

Have a look what the booklet for  
XYZ(42.6780, 24.5161, 25.0916)  
contains.

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# Color

**XYZ(42.5859, 24.4363,  
25.0264)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F14386
RGB	241, 67, 134
RGB Percent	95%, 26%, 53%
CMY	0.0549, 0.7372, 0.4745
CMYK	0.00, 0.72, 0.44, 0.05
HSL	337°, 86%, 60%
HSV	337°, 72%, 95%
XYZ	42.5859, 24.4363, 25.0264
YIQ	126.6640, 82.1970, 57.7250

# Conversions

## Conversions Part 2

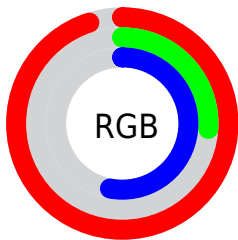
Format	Color
R <sub>Y</sub> B	241, 67, 134
Decimal	15811462
CIE Lab	56.52, 70.01, 2.53
CIE LCh	57, 70.051, 2.067
Yxy	24.4363, 0.4626, 0.2655
Android (android.graphics.Color)	4294001542 (0xFFFF14386)
YUV	126.6640, 3.6166, 100.2727
Hunter-Lab	49.4331, 67.2673, 4.5865

# Details

The XYZ color **42.5859, 24.4363, 25.0264** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **41.4118, 67.1607, 50.8306**, and the grayscale version is **20.0275, 21.0705, 22.9458**.

A 20% lighter version of the original color is **57.9288, 40.2862, 51.7365**, and **20.2301, 10.2396, 9.5045** is the 20% darker color. If you saturate the color by 10%, you get **40.4768, 21.7583, 19.5757**, and if you desaturate by 10%, it is **45.4368, 28.3662, 31.4395**.

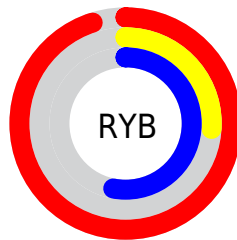
# Distribution



Red (95%)

Green (26%)

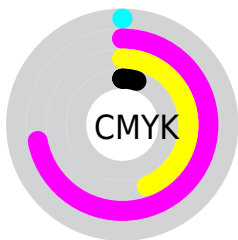
Blue (53%)



Red (95%)

Yellow (26%)

Blue (53%)

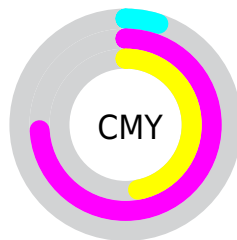


Cyan (0%)

Magenta (72%)

Yellow (44%)

Black (5%)



Cyan (5%)

Magenta (74%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5859, 24.4363, 25.0264 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 42.5859, 24.4363, 25.0264 by changing the saturation by 10% instead.





 42.5859, 24.4363,  
25.0264


 42.5859, 24.4363,  
25.0264

347.8565,  
275.0189, 291.4213


 29.7535, 15.6576,  
15.8775


 78.3452, 50.7412,  
52.6647


 19.7987, 9.2822,  
9.2841


 102.0028, 69.0363,  
71.9912


 12.3562, 4.9257,  
4.8276

 129.9994, 91.2722,  
95.5473

 7.0607, 2.2037,  
2.0895

 162.7005,  
117.8334, 123.7516

 3.5467, 0.7220,  
0.6095

 200.4714,  
149.1043, 157.0226

 1.4491, 0.0000,  
0.0000

243.6775,

 0.2908, 0.0000,

185.4692, 195.7789

0.0000

292.6840,  
227.3126, 240.4389

■ 0.0000, 0.0000,  
0.0000

■ 42.5859, 24.4363,  
25.0264

■ 42.5859, 24.4363,  
25.0264

■ 40.4768, 21.7583,  
19.5757

■ 45.4368, 28.3662,  
31.4395

■ 39.0223, 20.1669,  
15.0283


■ 49.0991, 33.6779,  
38.8656


■ 38.2421, 19.4874,  
12.0530

■ 53.6359, 40.4893,  
47.3522


■ 59.1034, 48.9044,  
56.9430

■ 65.5528, 59.0180,  
67.6792

 73.0314, 70.9174,  
79.5994

 81.5836, 84.6838,  
92.7403

 89.6966, 97.2851,  
106.6190

 90.0856, 97.4408,  
108.6677

# Harmonies

## Analogous

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



39.9330, 24.4363, 53.5336



42.5859, 24.4363, 25.0264



39.1302, 24.4363, 9.2267

# Triad

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



42.5859, 24.4363, 25.0264



15.8832, 24.4363, 3.8553



16.6525, 24.4363, 88.8985

# Complementary

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



42.5859, 24.4363, 25.0264



41.4118, 67.1607, 50.8306

# 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.



12.3475, 24.4363, 58.1107



42.5859, 24.4363, 25.0264



11.9816, 24.4363, 10.6755

# Square

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



42.5859, 24.4363, 25.0264



22.6673, 24.4363, 2.2684



10.8553, 24.4363, 28.2527



23.7937, 24.4363, 100.9873



# Rectangle

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



42.5859, 24.4363, 25.0264



34.2079, 24.4363, 4.6257



10.8553, 24.4363, 28.2527



14.8887, 24.4363, 79.7595

# Sweetspot

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



42.5866, 24.4377, 25.0268



74.6250, 67.2547, 77.1059



34.7679, 19.0700, 85.0675



15.5208, 13.6822, 15.7641



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.



42.5866, 24.4377, 25.0268



45.0918, 23.6776, 19.5103



40.4913, 25.5107, 8.1019



16.0247, 15.8596, 17.6862



20.7989, 10.5920, 6.8574



1.7775, 0.9000, 0.8190



# Inverse Universe

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



42.5866, 24.4377, 25.0268



45.0918, 23.6776, 19.5103



44.7413, 60.6417, 92.5660



16.0247, 15.8596, 17.6862



20.7989, 10.5920, 6.8574



1.7775, 0.9000, 0.8190



# Previews

## White Background



This preview shows how the XYZ color 42.5859, 24.4363, 25.0264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

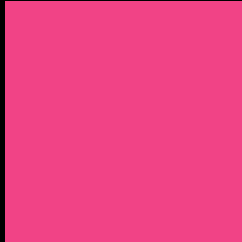
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5859, 24.4363, 25.0264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

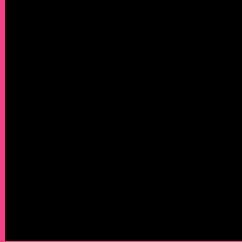
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.5859, 24.4363, 25.0264**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5859, 24.4363, 25.0264.



This preview shows how white text looks on a background with the XYZ color 42.5859, 24.4363,



# 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

42.5859, 24.4363, 25.0264

### Protanopia

24.9081, 24.8196, 43.5223

### Deuteranopia

24.9548, 24.4856, 22.8130



## Tritanopia

39.6561, 24.4092, 11.0088

# Trichromacy



## Original Color

42.5859, 24.4363, 25.0264

## Protanomaly

27.9824, 21.9799, 35.5686

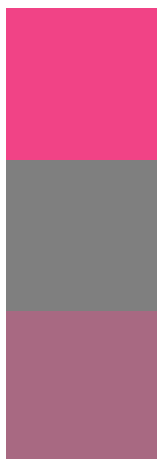
## Deuteranomaly

29.2664, 22.5979, 23.2414

## Tritanomaly

40.5110, 24.3422, 15.1337

# Monochromacy



## Original Color

42.5859, 24.4363, 25.0264

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

25.2293, 20.0397, 23.6574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5859, 24.4363, 25.0264 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, 67, 134)` looks like.

```
.text, #text, p{  
  color:rgb(241, 67, 134)  
}
```

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, 67, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 67, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5859, 24.4363, 25.0264 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, 67, 134) }
```



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

```
.border{ border-color:rgb(241, 67, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 67, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 67, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 67, 134);  
box-shadow:4px 4px 4px 4px rgb(241, 67,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5859, 24.4363, 25.0264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 67, 134) }
```

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

```
.background{ background-color: rgb(241, 67,  
134) }
```

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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