

# Converting Colors

XYZ(42.2806, 24.8191, 28.1866)

Have a look what the booklet for  
XYZ(42.2806, 24.8191, 28.1866)  
contains.

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# Color

**XYZ(42.2563, 24.8551,  
28.1615)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED4A8E
RGB	237, 74, 142
RGB Percent	93%, 29%, 56%
CMY	0.0706, 0.7098, 0.4431
CMYK	0.00, 0.69, 0.40, 0.07
HSL	335°, 82%, 61%
HSV	335°, 69%, 93%
XYZ	42.2563, 24.8551, 28.1615
YIQ	130.4890, 75.3200, 55.7040

# Conversions

## Conversions Part 2

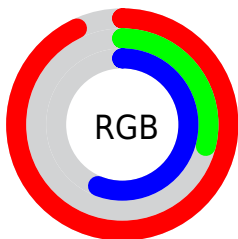
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 74, 142
Decimal	15551118
CIE <sub>Lab</sub>	56.93, 67.24, -1.68
CIE <sub>LCh</sub>	57, 67.262, 358.570
Yxy	24.8551, 0.4435, 0.2609
Android (android.graphics.Color)	4293741198 (0xFFED4A8E)
YUV	130.4890, 5.6749, 93.4101
Hunter-Lab	49.8549, 64.0480, 1.4073

# Details

The XYZ color **42.2563, 24.8551, 28.1615** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **40.2713, 64.8895, 47.9434**, and the grayscale version is **21.3546, 22.4667, 24.4662**.

A 20% lighter version of the original color is **59.5913, 42.0206, 57.1945**, and **19.8363, 10.0028, 11.0105** is the 20% darker color. If you saturate the color by 10%, you get **39.9875, 21.8758, 22.6014**, and if you desaturate by 10%, it is **45.2506, 29.0798, 34.5980**.

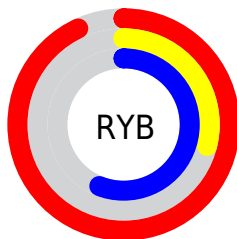
# Distribution



Red (93%)

Green (29%)

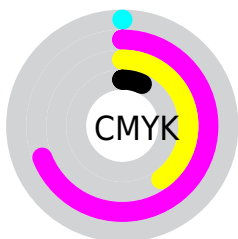
Blue (56%)



Red (93%)

Yellow (29%)

Blue (56%)

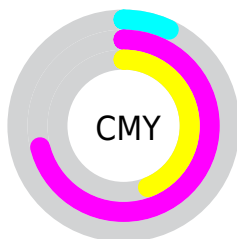


Cyan (0%)

Magenta (69%)

Yellow (40%)

Black (7%)



Cyan (7%)

Magenta (71%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2563, 24.8551, 28.1615 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 42.2563, 24.8551, 28.1615 by changing the saturation by 10% instead.





 42.2563, 24.8551,  
28.1615


 42.2563, 24.8551,  
28.1615


346.5179,  
277.1156, 307.1740


 29.4940, 15.9691,  
18.2073


 77.8501, 51.4221,  
57.7684


 19.6010, 9.5023,  
10.9280


 101.4124, 69.8718,  
78.2582


 12.2119, 5.0702,  
5.9049


 129.3053, 92.2783,  
103.0969

 6.9614, 2.2885,  
2.7195

 161.8943,  
119.0260, 132.7032

 3.4841, 0.7676,  
0.9532

 199.5447,  
150.4991, 167.4955

 1.4146, 0.0000,  
0.0000

242.6218,

 0.2666, 0.0000,

187.0822, 207.8924

0.0000

291.4911,  
229.1595, 254.3123

■ 0.0000, 0.0000,  
0.0000

■ 42.2563, 24.8551,  
28.1615

■ 42.2563, 24.8551,  
28.1615

■ 39.9875, 21.8758,  
22.6014

■ 45.2506, 29.0798,  
34.5980

■ 38.3666, 19.9940,  
17.8682

■ 49.0329, 34.6674,  
41.9530


■ 37.2840, 18.9986,  
13.9010


■ 53.6606, 41.7264,  
50.2668


■ 37.1706, 18.9027,  
13.4595


■ 59.1850, 50.3529,  
59.5764

■ 65.6534, 60.6349,  
69.9167

 73.1094, 72.6539,  
81.3205

 81.5938, 86.4859,  
93.8193

 88.3366, 96.5851,  
106.5067

 88.7350, 96.7445,  
108.6045

# Harmonies

## Analogous

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



39.0686, 24.8551, 56.6122



42.2563, 24.8551, 28.1615



39.6003, 24.8551, 11.1544

# Triad

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



42.2563, 24.8551, 28.1615



17.0891, 24.8551, 4.0345



16.5662, 24.8551, 83.6037

# Complementary

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



42.2563, 24.8551, 28.1615



40.2713, 64.8895, 47.9434

# 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.



12.6525, 24.8551, 53.5965



42.2563, 24.8551, 28.1615



12.9038, 24.8551, 10.1465

# Square

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



42.2563, 24.8551, 28.1615



24.0045, 24.8551, 2.7259



11.4764, 24.8551, 25.9934



23.2475, 24.8551, 97.8287



# Rectangle

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



42.2563, 24.8551, 28.1615



35.1455, 24.8551, 5.8153



11.4764, 24.8551, 25.9934



14.9437, 24.8551, 74.4265

# Sweetspot

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



42.2570, 24.8565, 28.1619



75.6575, 68.6137, 79.6266



33.5393, 19.1605, 82.0513



15.7319, 13.9504, 16.3094



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.



42.2570, 24.8565, 28.1619



46.2568, 24.6694, 24.0239



39.4002, 24.9766, 9.2248



15.3261, 15.1583, 17.0025



20.3558, 10.3450, 7.6749



1.6454, 0.8311, 0.8500



# Inverse Universe

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



42.2570, 24.8565, 28.1619



46.2568, 24.6694, 24.0239



45.3437, 62.0362, 89.7050



15.3261, 15.1583, 17.0025



20.3558, 10.3450, 7.6749



1.6454, 0.8311, 0.8500



# Previews

## White Background



This preview shows how the XYZ color 42.2563, 24.8551, 28.1615 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 42.2563, 24.8551, 28.1615 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

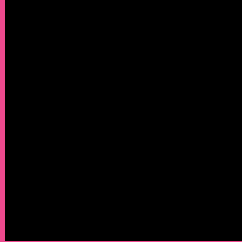
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.2563, 24.8551, 28.1615**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2563, 24.8551, 28.1615.



This preview shows how white text looks on a background with the XYZ color 42.2563, 24.8551,



# 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

42.2563, 24.8551, 28.1615

### Protanopia

25.3596, 24.9832, 46.6657

### Deuteranopia

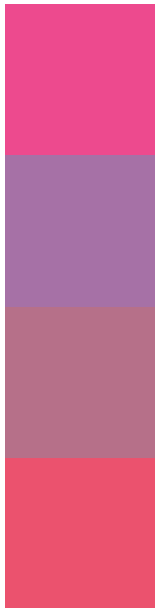
25.4531, 25.0756, 26.0528



## Tritanopia

39.1478, 24.9033, 12.6410

# Trichromacy



## Original Color

42.2563, 24.8551, 28.1615

## Protanomaly

28.5139, 22.6704, 38.9494

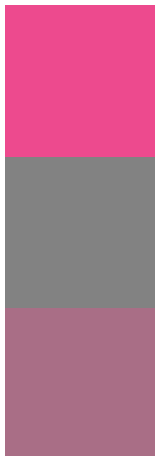
## Deuteranomaly

29.6009, 23.3396, 26.6118

## Tritanomaly

40.0927, 24.8225, 17.4300

# Monochromacy



## Original Color

42.2563, 24.8551, 28.1615

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

26.2412, 21.3081, 25.2841

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2563, 24.8551, 28.1615 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(237, 74, 142)` looks like.

```
.text, #text, p{  
    color:rgb(237, 74, 142)  
}
```

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(237, 74, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 74, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2563, 24.8551, 28.1615 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(237, 74, 142) }
```



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

```
.border{ border-color:rgb(237, 74, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 74, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 74, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 74, 142);  
box-shadow:4px 4px 4px 4px rgb(237, 74,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2563, 24.8551, 28.1615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 74, 142) }
```

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

```
.background{ background-color: rgb(237, 74,  
142) }
```

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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