

# Converting Colors

XYZ(42.8032, 26.9421, 26.6161)

Have a look what the booklet for  
XYZ(42.8032, 26.9421, 26.6161)  
contains.

<b>XYZ(42.7636, 26.9513, 26.6151)</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(42.7636, 26.9513,  
26.6151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC5A89
RGB	236, 90, 137
RGB Percent	93%, 35%, 54%
CMY	0.0745, 0.6470, 0.4627
CMYK	0.00, 0.62, 0.42, 0.07
HSL	341°, 79%, 64%
HSV	341°, 62%, 93%
XYZ	42.7636, 26.9513, 26.6151
YIQ	139.0120, 71.9290, 45.5690

# Conversions

## Conversions Part 2

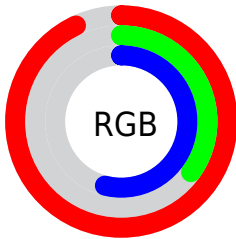
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 90, 137
Decimal	15489673
CIE <sub>Lab</sub>	58.93, 60.16, 4.14
CIE <sub>LCh</sub>	59, 60.303, 3.934
Y <sub>xy</sub>	26.9513, 0.4439, 0.2798
Android (android.graphics.Color)	4293679753 (0xFFEC5A89)
Y <sub>UV</sub>	139.0120, -0.9919, 85.0585
Hunter-Lab	51.9146, 56.1850, 5.9440

# Details

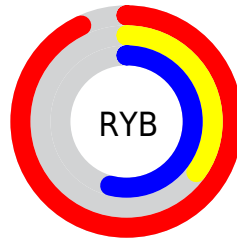
The XYZ color **42.7636, 26.9513, 26.6151** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **43.3989, 65.8394, 58.5695**, and the grayscale version is **24.5306, 25.8081, 28.1051**.

A 20% lighter version of the original color is **60.8131, 45.5355, 54.2992**, and **19.9942, 10.6570, 10.0200** is the 20% darker color. If you saturate the color by 10%, you get **40.0152, 23.1576, 20.4490**, and if you desaturate by 10%, it is **46.3154, 32.0793, 33.8896**.

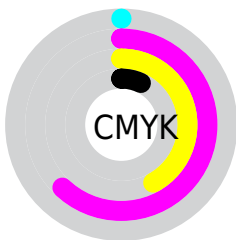
# Distribution



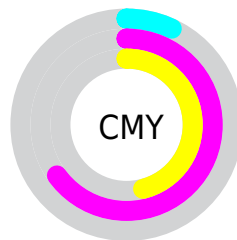
- Red (93%)
- Green (35%)
- Blue (54%)



- Red (93%)
- Yellow (35%)
- Blue (54%)



- Cyan (0%)
- Magenta (62%)
- Yellow (42%)
- Black (7%)




- Cyan (7%)
- Magenta (65%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7636, 26.9513, 26.6151 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 42.7636, 26.9513, 26.6151 by changing the saturation by 10% instead.





 42.7636, 26.9513,  
26.6151


 42.7636, 26.9513,  
26.6151


348.5767,  
287.4212, 299.4896


 29.8934, 17.5367,  
17.0545


 78.6119, 54.8057,  
55.2618


 19.9054, 10.6178,  
10.1110


 102.3208, 74.0143,  
75.1850

 12.4341, 5.8105,  
5.3660

 130.3732, 97.2562,  
99.3994

 7.1144, 2.7302,  
2.4011

 163.1346,  
124.9160, 128.3237

 3.5807, 0.9925,  
0.7871

200.9703,  
157.3780, 162.3763

 1.4678, 0.0000,  
0.0000

244.2456,

 0.3037, 0.0000,

195.0266, 201.9758

0.0000

293.3260,  
238.2462, 247.5407

■ 0.0000, 0.0000,  
0.0000

■ 42.7636, 26.9513,  
26.6151

■ 42.7636, 26.9513,  
26.6151

■ 40.0152, 23.1576,  
20.4490

■ 46.3154, 32.0793,  
33.8896

■ 37.9985, 20.5665,  
15.3298

■ 50.7295, 38.6483,  
42.3260


■ 36.6312, 19.0268,  
11.1908

■ 56.0616, 46.7589,  
51.9757


■ 35.8953, 18.3542,  
8.4818

■ 62.3618, 56.5015,  
62.8865

■ 69.6767, 67.9594,  
75.1032

 78.0496, 81.2102,  
88.6687

 87.4549, 96.1940,  
103.6013

 88.4021, 96.5729,  
108.5889

# Harmonies

## Analogous

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



40.7886, 26.9513, 51.3590



42.7636, 26.9513, 26.6151



39.4608, 26.9513, 11.8635

# Triad

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



42.7636, 26.9513, 26.6151



18.4121, 26.9513, 6.7502



19.8146, 26.9513, 83.9021

# Complementary

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



42.7636, 26.9513, 26.6151



43.3989, 65.8394, 58.5695

# 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.



15.4604, 26.9513, 58.7830



42.7636, 26.9513, 26.6151



14.7679, 26.9513, 14.7389

# Square

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



42.7636, 26.9513, 26.6151



24.6444, 26.9513, 4.4764



13.8023, 26.9513, 32.2563



26.6136, 26.9513, 92.3983



# Rectangle

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



42.7636, 26.9513, 26.6151



35.0263, 26.9513, 7.0848



13.8023, 26.9513, 32.2563



18.0636, 26.9513, 76.6741

# Sweetspot

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



42.7643, 26.9527, 26.6156



76.6482, 70.9496, 78.8642



39.3730, 23.9771, 81.9097



15.8974, 14.3932, 16.0202



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.



42.7643, 26.9527, 26.6156



47.0391, 26.7249, 22.7713



42.4936, 30.6827, 13.3574



15.2653, 15.1340, 16.6823



19.8386, 10.1381, 4.9513



1.6003, 0.8131, 0.6127



# Inverse Universe

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



42.7643, 26.9527, 26.6156



47.0391, 26.7249, 22.7713



42.8182, 55.1514, 87.7454



15.2653, 15.1340, 16.6823



19.8386, 10.1381, 4.9513



1.6003, 0.8131, 0.6127



# Previews

## White Background



This preview shows how the XYZ color 42.7636, 26.9513, 26.6151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

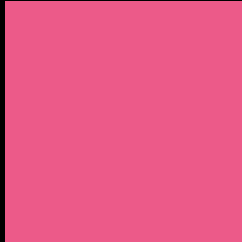
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7636, 26.9513, 26.6151 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 42.7636, 26.9513, 26.6151**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7636, 26.9513, 26.6151.



This preview shows how white text looks on a background with the XYZ color 42.7636, 26.9513,



# 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

42.7636, 26.9513, 26.6151

### Protanopia

26.8165, 27.1581, 40.3879

### Deuteranopia

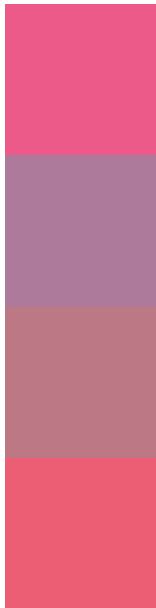
27.4721, 26.9766, 24.8782



## Tritanopia

40.6546, 27.0211, 15.9048

# Trichromacy



## Original Color

42.7636, 26.9513, 26.6151

## Protanomaly

30.1939, 25.2036, 34.7259

## Deuteranomaly

31.6891, 25.8178, 25.5034

## Tritanomaly

41.3582, 26.9054, 19.2331

# Monochromacy



## Original Color

42.7636, 26.9513, 26.6151

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

28.8804, 24.5084, 27.2532

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7636, 26.9513, 26.6151 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(236, 90, 137)` looks like.

```
.text, #text, p{  
    color:rgb(236, 90, 137)  
}
```

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(236, 90, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 90, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7636, 26.9513, 26.6151 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(236, 90, 137) }
```



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

```
.border{ border-color:rgb(236, 90, 137) }
```

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

Here you see how a box with a 4 pixel rgb(236, 90, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 90, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 90, 137);  
box-shadow:4px 4px 4px 4px rgb(236, 90,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7636, 26.9513, 26.6151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 90, 137) }
```

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

```
.background{ background-color: rgb(236, 90,  
137) }
```

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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