

# Converting Colors

XYZ(45.8048, 28.9629, 26.0538)

Have a look what the booklet for  
XYZ(45.8048, 28.9629, 26.0538)  
contains.

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# Color

**XYZ(45.9437, 28.9904,  
26.0959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F55D87
RGB	245, 93, 135
RGB Percent	96%, 36%, 53%
CMY	0.0392, 0.6353, 0.4706
CMYK	0.00, 0.62, 0.45, 0.04
HSL	343°, 88%, 66%
HSV	343°, 62%, 96%
XYZ	45.9437, 28.9904, 26.0959
YIQ	143.2360, 77.1100, 45.2860

# Conversions

## Conversions Part 2

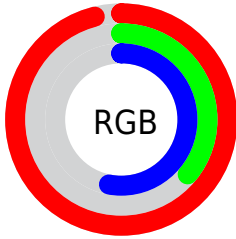
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 93, 135
Decimal	16080263
CIE <sub>Lab</sub>	60.77, 61.48, 8.14
CIE <sub>LCh</sub>	61, 62.020, 7.537
Yxy	28.9904, 0.4548, 0.2869
Android (android.graphics.Color)	4294270343 (0xFFFF55D87)
YUV	143.2360, -4.0603, 89.2470
Hunter-Lab	53.8427, 58.0883, 8.9539

# Details

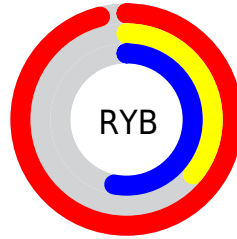
The XYZ color **45.9437, 28.9904, 26.0959** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **47.9479, 71.9445, 67.8644**, and the grayscale version is **26.1980, 27.5624, 30.0154**.

A 20% lighter version of the original color is **61.2234, 46.7035, 53.3648**, and **21.8862, 11.7410, 9.9168** is the 20% darker color. If you saturate the color by 10%, you get **42.9809, 24.8992, 19.4535**, and if you desaturate by 10%, it is **49.8045, 34.5450, 34.0639**.

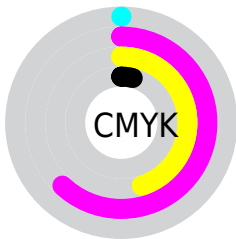
# Distribution



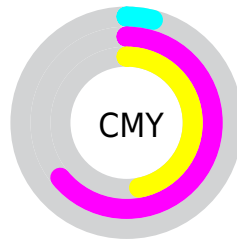
- Red (96%)
- Green (36%)
- Blue (53%)



- Red (96%)
- Yellow (36%)
- Blue (53%)



- Cyan (0%)
- Magenta (62%)
- Yellow (45%)
- Black (4%)



- Cyan (4%)
- Magenta (64%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9437, 28.9904, 26.0959 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 45.9437, 28.9904, 26.0959 by changing the saturation by 10% instead.





 45.9437, 28.9904,  
26.0959

 45.9437, 28.9904,  
26.0959


361.3020,  
297.1697, 296.8730

 32.4058, 19.0736,  
16.6690


 83.3631, 58.0618,  
54.4156


 21.8287, 11.7234,  
9.8393

 107.9754, 77.9852,  
74.1455

 13.8470, 6.5557,  
5.1883


 137.0098,  
102.0129, 98.1467

 8.0953, 3.1858,  
2.2975

 170.8318,  
130.5293, 126.8379

 4.2083, 1.2295,  
0.7298

209.8066,  
163.9187, 160.6376

 1.8206, 0.0856,  
0.0000

254.2997,

 0.5301, 0.0000,

202.5657, 199.9643

0.0000

304.6764,  
246.8545, 245.2366

■ 0.0000, 0.0000,  
0.0000

■ 45.9437, 28.9904,  
26.0959

■ 45.9437, 28.9904,  
26.0959

■ 42.9809, 24.8992,  
19.4535

■ 49.8045, 34.5450,  
34.0639

■ 40.8351, 22.1256,  
14.0582

■ 54.6300, 41.6809,  
43.4262

■ 39.4134, 20.5019,  
9.8242

■ 60.4830, 50.5094,  
54.2482

■ 38.6900, 19.8260,  
7.2067

■ 67.4203, 61.1304,  
66.5909

■ 75.4943, 73.6360,  
80.5112

84.7539, 88.1118,  
96.0632

91.4661, 98.1524,  
108.7323

# Harmonies

## Analogous

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



44.4946, 28.9904, 51.7346



45.9437, 28.9904, 26.0959



41.7557, 28.9904, 11.5151

# Triad

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



45.9437, 28.9904, 26.0959



19.1520, 28.9904, 7.8353



22.0488, 28.9904, 92.8860

# Complementary

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



45.9437, 28.9904, 26.0959



47.9479, 71.9445, 67.8644

# 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.



17.0048, 28.9904, 67.0510



45.9437, 28.9904, 26.0959



15.5738, 28.9904, 17.4666

# Square

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



45.9437, 28.9904, 26.0959



25.5718, 28.9904, 4.8473



14.8726, 28.9904, 37.7507



29.6371, 28.9904, 99.1472



# Rectangle

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



45.9437, 28.9904, 26.0959



36.7348, 28.9904, 6.9786



14.8726, 28.9904, 37.7507



20.0473, 28.9904, 85.7525

# Sweetspot

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



45.9445, 28.9920, 26.0964



76.3537, 70.8318, 77.3132



44.7362, 26.9704, 89.2340



15.8271, 14.3650, 15.6498



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.



45.9445, 28.9920, 26.0964



46.5017, 26.5099, 19.9410



47.0855, 35.1093, 14.6531



16.6872, 16.5577, 18.0996



20.8932, 10.7007, 4.1461



1.8780, 0.9572, 0.5840



# Inverse Universe

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



45.9445, 28.9920, 26.0964



46.5017, 26.5099, 19.9410



44.5571, 56.0413, 94.8547



16.6872, 16.5577, 18.0996



20.8932, 10.7007, 4.1461



1.8780, 0.9572, 0.5840



# Previews

## White Background



This preview shows how the XYZ color 45.9437, 28.9904, 26.0959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

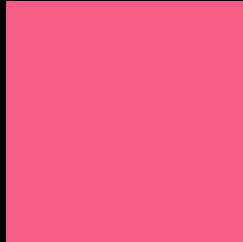
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9437, 28.9904, 26.0959 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

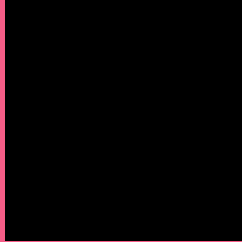
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 45.9437, 28.9904, 26.0959**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9437, 28.9904, 26.0959.



This preview shows how white text looks on a background with the XYZ color 45.9437, 28.9904,



# 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

45.9437, 28.9904, 26.0959

### Protanopia

28.5720, 29.2037, 39.7283

### Deuteranopia

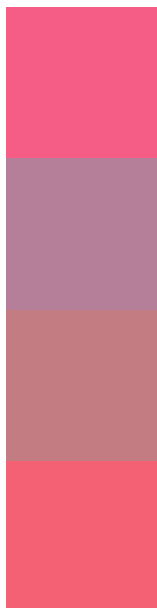
29.7177, 29.2293, 24.4976



## Tritanopia

43.9738, 28.9983, 16.6442

# Trichromacy



## Original Color

45.9437, 28.9904, 26.0959

## Protanomaly

32.4782, 27.3356, 34.1364

## Deuteranomaly

34.0693, 27.7898, 25.0410

## Tritanomaly

44.7353, 29.0434, 19.7711

# Monochromacy



## Original Color

45.9437, 28.9904, 26.0959

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

30.8896, 26.2640, 28.2523

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9437, 28.9904, 26.0959 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(245, 93, 135)` looks like.

```
.text, #text, p{  
    color:rgb(245, 93, 135)  
}
```

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(245, 93, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 93, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9437, 28.9904, 26.0959 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(245, 93, 135) }
```



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

```
.border{ border-color:rgb(245, 93, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 93, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 93, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 93, 135); box-shadow:4px 4px 4px 4px rgb(245, 93, 135) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9437, 28.9904, 26.0959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 93, 135) }
```

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

```
.background{ background-color: rgb(245, 93,  
135) }
```

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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