

# Converting Colors

XYZ(65.5101, 38.5812, 23.6759)

Have a look what the booklet for  
XYZ(65.5101, 38.5812, 23.6759)  
contains.

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# Color

**XYZ(48.5783, 29.9111,  
22.9517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF597E
RGB	255, 89, 126
RGB Percent	100%, 35%, 49%
CMY	0.0000, 0.6509, 0.5059
CMYK	0.00, 0.65, 0.51, 0.00
HSL	347°, 100%, 67%
HSV	347°, 65%, 100%
XYZ	48.5783, 29.9111, 22.9517
YIQ	142.8520, 87.0590, 46.6990

# Conversions

## Conversions Part 2

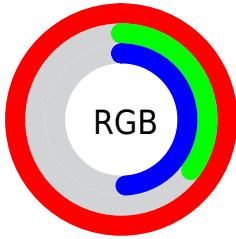
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 89, 126
Decimal	16734590
CIE Lab	61.58, 65.38, 14.73
CIE LCh	62, 67.017, 12.694
Yxy	29.9111, 0.4789, 0.2949
Android (android.graphics.Color)	4294924670 (0xFFFF597E)
YUV	142.8520, -8.3080, 98.3538
Hunter-Lab	54.6910, 62.8400, 13.4020

# Details

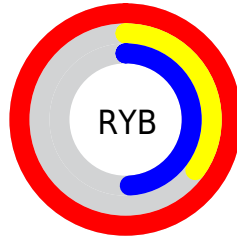
The XYZ color **48.5783, 29.9111, 22.9517** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **52.5368, 78.7066, 78.7589**, and the grayscale version is **26.0586, 27.4157, 29.8557**.

A 20% lighter version of the original color is **59.7096, 45.3418, 47.7243**, and **23.5323, 12.2742, 8.1500** is the 20% darker color. If you saturate the color by 10%, you get **45.6569, 25.9162, 16.2816**, and if you desaturate by 10%, it is **52.4891, 35.4796, 31.2017**.

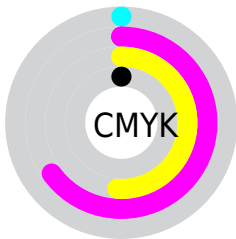
# Distribution



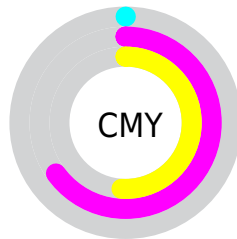
- Red (100%)
- Green (35%)
- Blue (49%)



- Red (100%)
- Yellow (35%)
- Blue (49%)



- Cyan (0%)
- Magenta (65%)
- Yellow (51%)
- Black (0%)




- Cyan (0%)
- Magenta (65%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5783, 29.9111, 22.9517 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 48.5783, 29.9111, 22.9517 by changing the saturation by 10% instead.





 48.5783, 29.9111,  
22.9517


 48.5783, 29.9111,  
22.9517


371.6244,  
301.4899, 280.5907

 34.4982, 19.7711,  
14.3529


 87.2693, 59.5216,  
49.2362


 23.4413, 12.2288,  
8.2250


 112.6110, 79.7608,  
67.7590

 15.0422, 6.8997,  
4.1494


 142.4372,  
104.1353, 90.4268

 8.9355, 3.3994,  
1.7077

 177.1133,  
133.0294, 117.6582

 4.7559, 1.3437,  
0.3660

217.0048,  
166.8275, 149.8718

 2.1380, 0.1746,  
0.0000

262.4769,

 0.7098, 0.0000,

205.9140, 187.4860

0.0000

313.8949,  
250.6733, 230.9195

■ 0.0000, 0.0000,  
0.0000

■ 48.5783, 29.9111,  
22.9517

■ 48.5783, 29.9111,  
22.9517

■ 45.6569, 25.9162,  
16.2816

■ 52.4891, 35.4796,  
31.2017

■ 43.6278, 23.3246,  
11.0842

■ 57.4690, 42.7589,  
41.1256

■ 42.3773, 21.9353,  
7.2399

■ 63.5921, 51.8765,  
52.8114

■ 41.9741, 21.5536,  
5.7962

■ 70.9250, 62.9467,  
66.3404

■ 79.5292, 76.0744,  
81.7888

89.4619, 91.3569,  
99.2284

95.0499, 100.0000,  
108.9000

# Harmonies

## Analogous

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



48.0712, 29.9111, 49.4095



48.5783, 29.9111, 22.9517



42.9347, 29.9111, 9.3738

# Triad

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



48.5783, 29.9111, 22.9517



18.3426, 29.9111, 8.2110



23.6418, 29.9111, 105.2296

# Complementary

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



48.5783, 29.9111, 22.9517



52.5368, 78.7066, 78.7589

# 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.



17.6259, 29.9111, 78.3186



48.5783, 29.9111, 22.9517



15.0334, 29.9111, 20.0680

# Square

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



48.5783, 29.9111, 22.9517



24.8364, 29.9111, 4.3507



14.8018, 29.9111, 44.5533



32.3536, 29.9111, 107.4740



# Rectangle

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



48.5783, 29.9111, 22.9517



37.0143, 29.9111, 5.5612



14.8018, 29.9111, 44.5533



21.2869, 29.9111, 98.3084

# Sweetspot

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



48.5791, 29.9128, 22.9522



75.1456, 69.3708, 73.9656



50.0216, 29.0063, 97.5699



15.5770, 14.0752, 14.9178



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.



48.5791, 29.9128, 22.9522



44.9799, 25.0264, 14.6245



51.4686, 38.8316, 14.2360



18.1751, 18.0533, 19.5392



21.9779, 11.2804, 3.2681



2.1788, 1.1139, 0.5230



# Inverse Universe

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



48.5791, 29.9128, 22.9522



44.9799, 25.0264, 14.6245



45.3994, 55.8017, 102.9855



18.1751, 18.0533, 19.5392



21.9779, 11.2804, 3.2681



2.1788, 1.1139, 0.5230



# Previews

## White Background



This preview shows how the XYZ color 48.5783, 29.9111, 22.9517 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 48.5783, 29.9111, 22.9517 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 48.5783, 29.9111, 22.9517**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.5783, 29.9111, 22.9517.



This preview shows how white text looks on a background with the XYZ color 48.5783, 29.9111,



# 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

48.5783, 29.9111, 22.9517

### Protanopia

29.0701, 30.0037, 36.1574

### Deuteranopia

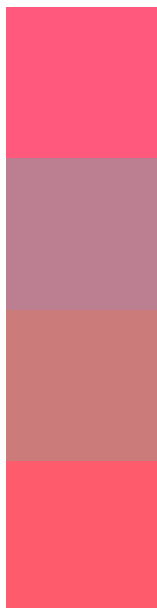
30.5480, 29.9516, 21.3107



## Tritanopia

46.8110, 29.8082, 15.3429

# Trichromacy



## Original Color

48.5783, 29.9111, 22.9517

## Protanomaly

33.5167, 27.9454, 30.8216

## Deuteranomaly

35.1628, 28.2429, 21.6873

## Tritanomaly

47.4605, 29.8292, 17.7242

# Monochromacy



## Original Color

48.5783, 29.9111, 22.9517

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

31.3655, 26.1624, 27.0636

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.5783, 29.9111, 22.9517 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(255, 89, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 126)  
}
```

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(255, 89, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 48.5783, 29.9111, 22.9517 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(255, 89, 126) }
```



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

```
.border{ border-color:rgb(255, 89, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 89, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 89, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 89, 126); box-shadow:4px 4px 4px 4px rgb(255, 89, 126) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.5783, 29.9111, 22.9517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 126) }
```

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

```
.background{ background-color: rgb(255, 89,  
126) }
```

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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