

# Converting Colors

XYZ(41.8008, 22.2943, 26.5265)

Have a look what the booklet for  
XYZ(41.8008, 22.2943, 26.5265)  
contains.

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# Color

**XYZ(41.7997, 22.2926,  
26.5259)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F12B8B
RGB	241, 43, 139
RGB Percent	95%, 17%, 55%
CMY	0.0549, 0.8313, 0.4549
CMYK	0.00, 0.82, 0.42, 0.05
HSL	331°, 88%, 56%
HSV	331°, 82%, 95%
XYZ	41.7997, 22.2926, 26.5259
YIQ	113.1460, 87.1920, 71.8320

# Conversions

## Conversions Part 2

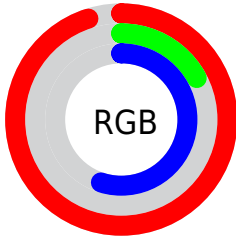
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 43, 139
Decimal	15805323
CIE <sub>Lab</sub>	54.34, 77.06, -3.64
CIE <sub>LCh</sub>	54, 77.145, 357.294
Yxy	22.2926, 0.4613, 0.2460
Android (android.graphics.Color)	4293995403 (0xFFFF12B8B)
YUV	113.1460, 12.7460, 112.1280
Hunter-Lab	47.2150, 75.4006, -0.2592

# Details

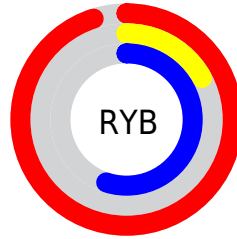
The XYZ color **41.7997, 22.2926, 26.5259** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **37.5644, 65.4693, 37.4520**, and the grayscale version is **15.6870, 16.5040, 17.9728**.

A 20% lighter version of the original color is **56.5486, 36.6541, 53.9637**, and **20.3936, 10.3050, 10.3654** is the 20% darker color. If you saturate the color by 10%, you get **40.3108, 20.6852, 21.8049**, and if you desaturate by 10%, it is **43.9095, 24.9770, 31.9626**.

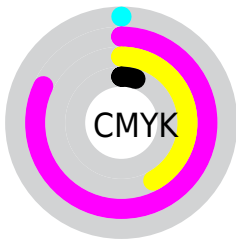
# Distribution



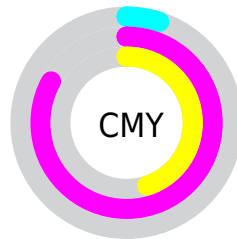
- Red (95%)
- Green (17%)
- Blue (55%)



- Red (95%)
- Yellow (17%)
- Blue (55%)



- Cyan (0%)
- Magenta (82%)
- Yellow (42%)
- Black (5%)




- Cyan (5%)
- Magenta (83%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7997, 22.2926, 26.5259 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 41.7997, 22.2926, 26.5259 by changing the saturation by 10% instead.



 41.7997, 22.2926,  
26.5259


 41.7997, 22.2926,  
26.5259


344.6577,  
264.0705, 299.0414


 29.1349, 14.0721,  
16.9882


 77.1635, 47.2291,  
55.1166

 19.3277, 8.1708,  
10.0642


 100.5931, 64.7139,  
75.0067


 12.0127, 4.2044,  
5.3354


 128.3418, 86.0555,  
99.1846

 6.8246, 1.7886,  
2.3832

 160.7748,  
111.6384, 128.0690

 3.3980, 0.4800,  
0.7773

 198.2576,  
141.8470, 162.0783

 1.3676, 0.0000,  
0.0000

241.1554,

 0.2329, 0.0000,

177.0656, 201.6312

0.0000

289.8337,  
217.6786, 247.1460

■ 0.0000, 0.0000,  
0.0000

■ 41.7997, 22.2926,  
26.5259

■ 41.7997, 22.2926,  
26.5259

■ 40.3108, 20.6852,  
21.8049

■ 43.9095, 24.9770,  
31.9626

■ 39.4769, 19.9813,  
18.5558

■ 46.7210, 28.8945,  
38.1575

■ 50.3037, 34.1792,  
45.1495

■ 54.7178, 40.9467,  
52.9733

■ 60.0170, 49.3002,  
61.6612

66.2507, 59.3334,  
71.2431

73.4641, 71.1328,  
81.7475

81.6997, 84.7791,  
93.2012

89.4082, 97.1698,  
105.1004

# Harmonies

## Analogous

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



37.9210, 22.2926, 58.8914



41.7997, 22.2926, 26.5259



39.0577, 22.2926, 8.6248

# Triad

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



41.7997, 22.2926, 26.5259



14.6031, 22.2926, 1.9936



13.5954, 22.2926, 87.8398

# Complementary

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



41.7997, 22.2926, 26.5259



37.5644, 65.4693, 37.4520

# 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.



9.8199, 22.2926, 52.3140



41.7997, 22.2926, 26.5259



10.2843, 22.2926, 6.8609

# Square

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



41.7997, 22.2926, 26.5259



21.9612, 22.2926, 1.1761



8.7904, 22.2926, 22.1511



20.4340, 22.2926, 106.1749



# Rectangle

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



41.7997, 22.2926, 26.5259



34.1609, 22.2926, 3.6657



8.7904, 22.2926, 22.1511



12.0026, 22.2926, 76.7058

# Sweetspot

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



41.8003, 22.2939, 26.5263



73.1312, 63.9131, 77.6992



27.8985, 13.8315, 84.4183



15.1161, 12.8153, 15.8068



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.



41.8003, 22.2939, 26.5263



44.9655, 22.7945, 21.4114



37.5765, 20.6043, 4.2837



16.0921, 15.8865, 18.0411



21.4751, 10.8625, 10.4182



1.8366, 0.9237, 1.1304



# Inverse Universe

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



41.8003, 22.2939, 26.5263



44.9655, 22.7945, 21.4114



48.3294, 69.7753, 94.1397



16.0921, 15.8865, 18.0411



21.4751, 10.8625, 10.4182



1.8366, 0.9237, 1.1304



# Previews

## White Background



This preview shows how the XYZ color 41.7997, 22.2926, 26.5259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

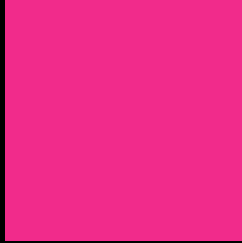
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7997, 22.2926, 26.5259 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 41.7997, 22.2926, 26.5259**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7997, 22.2926, 26.5259.



This preview shows how white text looks on a background with the XYZ color 41.7997, 22.2926,



# 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

41.7997, 22.2926, 26.5259

### Protanopia

23.5535, 22.5149, 52.3946

### Deuteranopia

22.7510, 22.3463, 23.8830



## Tritanopia

37.9474, 22.3306, 7.9404

# Trichromacy



## Original Color

41.7997, 22.2926, 26.5259



## Protanomaly

25.8216, 18.7970, 41.2970



## Deuteranomaly

27.0069, 19.6429, 24.5583



## Tritanomaly

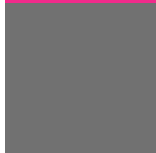
38.7933, 22.0114, 12.7937

# Monochromacy



## Original Color

41.7997, 22.2926, 26.5259



## Achromatopsia

15.6958, 16.5132, 17.9829



## Achromatomaly

21.4998, 15.8582, 20.3401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7997, 22.2926, 26.5259 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, 43, 139)` looks like.

```
.text, #text, p{  
    color:rgb(241, 43, 139)  
}
```

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, 43, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 43, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7997, 22.2926, 26.5259 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, 43, 139) }
```



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

```
.border{ border-color:rgb(241, 43, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 43, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 43, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 43, 139);  
box-shadow:4px 4px 4px 4px rgb(241, 43,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7997, 22.2926, 26.5259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 43, 139) }
```

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

```
.background{ background-color: rgb(241, 43,  
139) }
```

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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