

# Converting Colors

XYZ(41.6059, 21.7804, 21.8240)

Have a look what the booklet for  
XYZ(41.6059, 21.7804, 21.8240)  
contains.

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# Color

**XYZ(41.5906, 21.7725,  
21.7491)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F4207E
RGB	244, 32, 126
RGB Percent	96%, 13%, 49%
CMY	0.0431, 0.8744, 0.5059
CMYK	0.00, 0.87, 0.48, 0.04
HSL	333°, 91%, 54%
HSV	333°, 87%, 96%
XYZ	41.5906, 21.7725, 21.7491
YIQ	106.1040, 96.1780, 74.1780

# Conversions

## Conversions Part 2

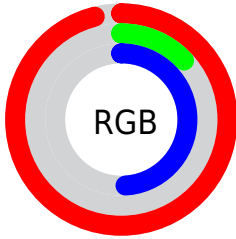
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">244, 32, 126</a>
Decimal	<a href="#">15999102</a>
CIELab	<a href="#">53.78, 78.80, 3.41</a>
CIELCh	<a href="#">54, 78.874, 2.476</a>
Yxy	<a href="#">21.7725, 0.4887, 0.2558</a>
Android (android.graphics.Color)	<a href="#">4294189182</a> (0xFFFF4207E)
YUV	<a href="#">106.1040, 9.8087, 120.9348</a>
Hunter-Lab	<a href="#">46.6610, 77.4466, 5.0271</a>

# Details

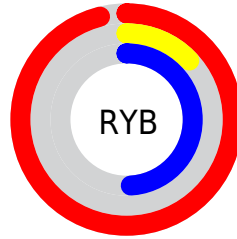
The XYZ color **41.5906, 21.7725, 21.7491** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **38.4540, 67.2114, 39.8110**, and the grayscale version is **13.6871, 14.3999, 15.6815**.

A 20% lighter version of the original color is **54.4299, 34.7824, 45.9644**, and **20.3956, 10.3596, 7.9458** is the 20% darker color. If you saturate the color by 10%, you get **40.3388, 20.5777, 17.2972**, and if you desaturate by 10%, it is **43.4459, 23.9840, 26.9896**.

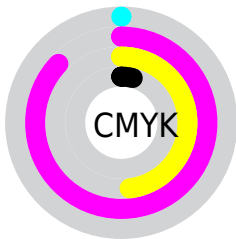
# Distribution



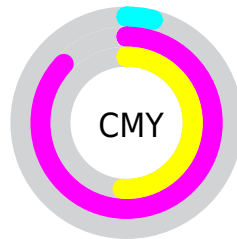
- Red (96%)
- Green (13%)
- Blue (49%)



- Red (96%)
- Yellow (13%)
- Blue (49%)



- Cyan (0%)
- Magenta (87%)
- Yellow (48%)
- Black (4%)



- Cyan (4%)
- Magenta (87%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5906, 21.7725, 21.7491 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 41.5906, 21.7725, 21.7491 by changing the saturation by 10% instead.



41.5906, 21.7725,  
21.7491

41.5906, 21.7725,  
21.7491

343.8036,  
261.3559, 274.1438

28.9706, 13.6898,  
13.4761

76.8487, 46.3697,  
47.2278

19.2027, 7.9053,  
7.6226

100.2175, 63.6530,  
65.2706

11.9217, 4.0344,  
3.7702

127.8999, 84.7720,  
87.4071

6.7622, 1.6928,  
1.5001

160.2612,  
110.1111, 114.0559

3.3588, 0.4190,  
0.2180

197.6669,  
140.0546, 145.6353

1.3462, 0.0000,  
0.0000

240.4823,

0.2174, 0.0000,

174.9870, 182.5641

0.0000

289.0727,  
215.2926, 225.2608

■ 0.0000, 0.0000,  
0.0000

■ 41.5906, 21.7725,  
21.7491

■ 41.5906, 21.7725,  
21.7491

■ 40.3388, 20.5777,  
17.2972

■ 43.4459, 23.9840,  
26.9896

■ 40.0240, 20.3194,  
16.0481

■ 46.0010, 27.3973,  
33.0725

■ 49.3344, 32.1629,  
40.0452

■ 53.5129, 38.4076,  
47.9500

■ 58.5958, 46.2437,  
56.8258

64.6365, 55.7726,  
66.7087

71.6844, 67.0871,  
77.6328

79.7853, 80.2731,  
89.6304

88.9821, 95.4111,  
102.7322

# Harmonies

## Analogous

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



38.7478, 21.7725, 52.4375



41.5906, 21.7725, 21.7491



37.6893, 21.7725, 6.4509

# Triad

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



41.5906, 21.7725, 21.7491



13.1261, 21.7725, 2.1170



14.0460, 21.7725, 93.7448

# Complementary

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



41.5906, 21.7725, 21.7491



38.4540, 67.2114, 39.8110

# 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.



9.7748, 21.7725, 58.5851



41.5906, 21.7725, 21.7491



9.3545, 21.7725, 8.0293

# Square

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



41.5906, 21.7725, 21.7491



19.9988, 21.7725, 0.9741



8.3189, 21.7725, 25.7781



21.4053, 21.7725, 107.4499



# Rectangle

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



41.5906, 21.7725, 21.7491



32.2775, 21.7725, 2.6233



8.3189, 21.7725, 25.7781



12.2780, 21.7725, 83.2375

# Sweetspot

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



41.5912, 21.7738, 21.7494



72.0402, 62.5931, 74.6782



29.1699, 13.9191, 86.7368



14.8902, 12.5560, 15.1379



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.



41.5912, 21.7738, 21.7494



44.2234, 22.4534, 17.6405



38.4194, 21.0380, 3.4041



16.8044, 16.6046, 18.7165



21.8293, 11.0751, 9.0752



1.9694, 0.9937, 1.0654



# Inverse Universe

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



41.5912, 21.7738, 21.7494



44.2234, 22.4534, 17.6405



46.1780, 65.3441, 95.7664



16.8044, 16.6046, 18.7165



21.8293, 11.0751, 9.0752

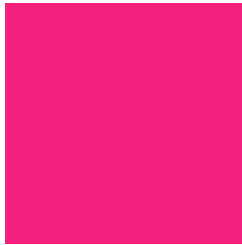


1.9694, 0.9937, 1.0654



# Previews

## White Background



This preview shows how the XYZ color 41.5906, 21.7725, 21.7491 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

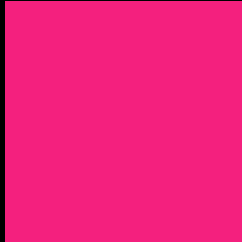
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.5906, 21.7725, 21.7491 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 41.5906, 21.7725, 21.7491

## Background



This preview shows how black text looks on a background with the XYZ color 41.5906, 21.7725, 21.7491.



This preview shows how white text looks on a background with the XYZ color 41.5906, 21.7725,



# 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

41.5906, 21.7725, 21.7491

### Protanopia

22.4646, 21.9305, 44.6440

### Deuteranopia

22.2141, 21.7872, 19.5575



## Tritanopia

38.5025, 21.9325, 6.2071

# Trichromacy



## Original Color

41.5906, 21.7725, 21.7491



## Protanomaly

24.6966, 17.7000, 34.4625



## Deuteranomaly

26.4227, 18.7833, 20.0022



## Tritanomaly

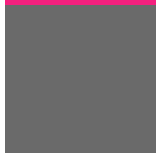
39.2362, 21.6157, 10.2879

# Monochromacy



## Original Color

41.5906, 21.7725, 21.7491



## Achromatopsia

13.6994, 14.4128, 15.6956



## Achromatomaly

19.4869, 13.8521, 17.2694

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.5906, 21.7725, 21.7491 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(244, 32, 126)` looks like.

```
.text, #text, p{  
    color:rgb(244, 32, 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(244, 32, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 32, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 41.5906, 21.7725, 21.7491 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(244, 32, 126) }
```



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

```
.border{ border-color:rgb(244, 32, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 32, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 32, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 32, 126);  
box-shadow:4px 4px 4px 4px rgb(244, 32,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.5906, 21.7725, 21.7491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 32, 126) }
```

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

```
.background{ background-color: rgb(244, 32,  
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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