

# Converting Colors

XYZ(41.2081, 21.9746, 25.0293)

Have a look what the booklet for  
XYZ(41.2081, 21.9746, 25.0293)  
contains.

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# Color

**XYZ(41.1363, 21.9305,  
24.9865)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F02A87
RGB	240, 42, 135
RGB Percent	94%, 16%, 53%
CMY	0.0588, 0.8352, 0.4706
CMYK	0.00, 0.82, 0.44, 0.06
HSL	332°, 87%, 55%
HSV	332°, 82%, 94%
XYZ	41.1363, 21.9305, 24.9865
YIQ	111.8040, 88.1550, 70.8990

# Conversions

## Conversions Part 2

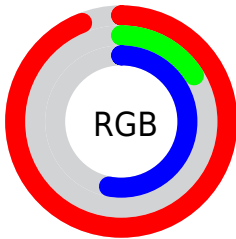
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	240, 42, 135
Decimal	15739527
CIE Lab	53.95, 76.69, -1.84
CIE LCh	54, 76.709, 358.628
Yxy	21.9305, 0.4672, 0.2491
Android (android.graphics.Color)	4293929607 (0xFFFF02A87)
YUV	111.8040, 11.4356, 112.4279
Hunter-Lab	46.8300, 74.8450, 1.1464

# Details

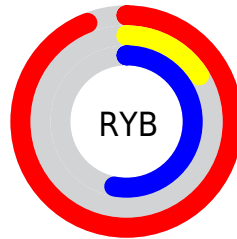
The XYZ color **41.1363, 21.9305, 24.9865** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **37.3835, 64.9198, 38.1718**, and the grayscale version is **15.2958, 16.0924, 17.5246**.

A 20% lighter version of the original color is **56.0015, 36.2597, 51.6242**, and **20.0398, 10.1369, 9.7045** is the 20% darker color. If you saturate the color by 10%, you get **39.6814, 20.3703, 20.3412**, and if you desaturate by 10%, it is **43.2082, 24.5534, 30.3664**.

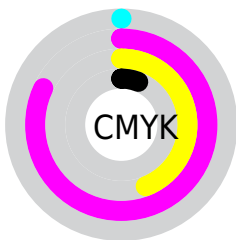
# Distribution



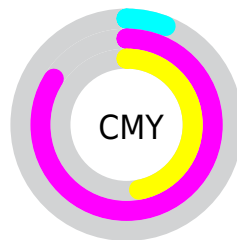
- Red (94%)
- Green (16%)
- Blue (53%)



- Red (94%)
- Yellow (16%)
- Blue (53%)



- Cyan (0%)
- Magenta (82%)
- Yellow (44%)
- Black (6%)




- Cyan (6%)
- Magenta (84%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1363, 21.9305, 24.9865 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 41.1363, 21.9305, 24.9865 by changing the saturation by 10% instead.





 41.1363, 21.9305,  
24.9865


 41.1363, 21.9305,  
24.9865


341.9428,  
262.1831, 291.2162


 28.6137, 13.8058,  
15.8481


 76.1642, 46.6311,  
52.5992


 18.9316, 7.9857,  
9.2635


 99.4002, 63.9758,  
71.9105


 11.7246, 4.0858,  
4.8143


 126.9380, 85.1627,  
95.4499

 6.6273, 1.7217,  
2.0819

 159.1431,  
110.5761, 123.6358

 3.2744, 0.4376,  
0.6050

 196.3808,  
140.6005, 156.8869

 1.3005, 0.0000,  
0.0000

239.0164,

 0.1836, 0.0000,

175.6202, 195.6216

0.0000

287.4153,  
216.0196, 240.2585

■ 0.0000, 0.0000,  
0.0000

■ 41.1363, 21.9305,  
24.9865

■ 41.1363, 21.9305,  
24.9865

■ 39.6814, 20.3703,  
20.3412

■ 43.2082, 24.5534,  
30.3664


■ 38.8997, 19.7111,  
17.2933


■ 45.9781, 28.3948,  
36.5252


■ 49.5153, 33.5884,  
43.5028


■ 53.8800, 40.2491,  
51.3355

■ 59.1260, 48.4794,  
60.0565

 65.3023, 58.3727,  
69.6973

 72.4543, 70.0148,  
80.2870

 80.6241, 83.4858,  
91.8538

 88.8808, 96.9195,  
104.1008

# Harmonies

## Analogous

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



37.5912, 21.9305, 56.3181



41.1363, 21.9305, 24.9865



38.1585, 21.9305, 8.0257

# Triad

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



41.1363, 21.9305, 24.9865



14.1135, 21.9305, 2.0583



13.6107, 21.9305, 87.7267

# Complementary

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



41.1363, 21.9305, 24.9865



37.3835, 64.9198, 38.1718

# 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.



9.7665, 21.9305, 53.0352



41.1363, 21.9305, 24.9865



9.9981, 21.9305, 7.1462

# Square

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



41.1363, 21.9305, 24.9865



21.2276, 21.9305, 1.1532



8.6422, 21.9305, 22.8039



20.4656, 21.9305, 104.5261



# Rectangle

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



41.1363, 21.9305, 24.9865



33.2263, 21.9305, 3.4104



8.6422, 21.9305, 22.8039



11.9984, 21.9305, 76.9840

# Sweetspot

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



41.1369, 21.9318, 24.9868



73.0019, 63.8613, 77.0183



28.1124, 13.9057, 83.6402



15.0854, 12.8030, 15.6452



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.



41.1369, 21.9318, 24.9868



44.7258, 22.6986, 20.1494



37.3039, 20.5937, 4.2011



16.0818, 15.8824, 17.9869



21.3604, 10.8166, 9.8142



1.8268, 0.9198, 1.0790



# Inverse Universe

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



41.1369, 21.9318, 24.9868



44.7258, 22.6986, 20.1494



46.8811, 67.1787, 92.9337



16.0818, 15.8824, 17.9869



21.3604, 10.8166, 9.8142



1.8268, 0.9198, 1.0790



# Previews

## White Background



This preview shows how the XYZ color 41.1363, 21.9305, 24.9865 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

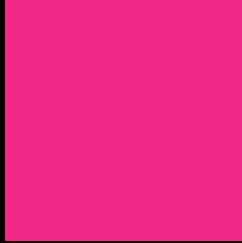
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.1363, 21.9305, 24.9865 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 41.1363, 21.9305, 24.9865**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1363, 21.9305, 24.9865.



This preview shows how white text looks on a background with the XYZ color 41.1363, 21.9305,



# 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

41.1363, 21.9305, 24.9865

### Protanopia

23.1376, 22.3630, 49.5514

### Deuteranopia

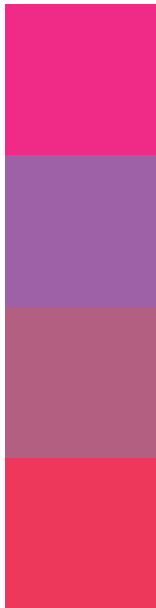
22.3630, 21.9875, 22.4674



## Tritanopia

37.4386, 21.9049, 7.5650

# Trichromacy



## Original Color

41.1363, 21.9305, 24.9865

## Protanomaly

25.3503, 18.6085, 38.8149

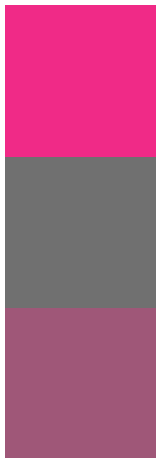
## Deuteranomaly

26.4148, 19.2344, 23.0893

## Tritanomaly

38.2710, 21.6056, 12.2784

# Monochromacy



## Original Color

41.1363, 21.9305, 24.9865

## Achromatopsia

15.4009, 16.2029, 17.6450

## Achromatomaly

21.0964, 15.5434, 19.6576

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1363, 21.9305, 24.9865 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(240, 42, 135)` looks like.

```
.text, #text, p{  
    color:rgb(240, 42, 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(240, 42, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 42, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1363, 21.9305, 24.9865 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(240, 42, 135) }
```



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

```
.border{ border-color:rgb(240, 42, 135) }
```

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

Here you see how a box with a 4 pixel rgb(240, 42, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 42, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 42, 135);  
box-shadow:4px 4px 4px 4px rgb(240, 42,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1363, 21.9305, 24.9865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 42, 135) }
```

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

```
.background{ background-color: rgb(240, 42,  
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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