

# Converting Colors

XYZ(41.6313, 22.7105, 30.7390)

Have a look what the booklet for  
XYZ(41.6313, 22.7105, 30.7390)  
contains.

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# Color

**XYZ(41.6230, 22.7207,  
30.6255)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED3595
RGB	237, 53, 149
RGB Percent	93%, 21%, 58%
CMY	0.0706, 0.7921, 0.4157
CMYK	0.00, 0.78, 0.37, 0.07
HSL	329°, 84%, 57%
HSV	329°, 78%, 93%
XYZ	41.6230, 22.7207, 30.6255
YIQ	118.9600, 78.8480, 68.8640

# Conversions

## Conversions Part 2

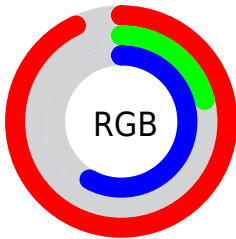
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 53, 149
Decimal	15545749
CIE Lab	54.78, 74.59, -9.00
CIE LCh	55, 75.135, 353.121
Yxy	22.7207, 0.4383, 0.2392
Android (android.graphics.Color)	4293735829 (0xFFED3595)
YUV	118.9600, 14.8097, 103.5211
Hunter-Lab	47.6662, 72.4534, -4.7274

# Details

The XYZ color **41.6230, 22.7207, 30.6255** 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 **36.5619, 63.2492, 35.4860**, and the grayscale version is **17.4612, 18.3705, 20.0055**.

A 20% lighter version of the original color is **58.4979, 38.5287, 60.8535**, and **20.1091, 10.1119, 12.4472** is the 20% darker color. If you saturate the color by 10%, you get **39.9354, 20.7240, 25.8130**, and if you desaturate by 10%, it is **43.9336, 25.8222, 36.0806**.

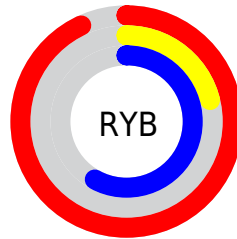
# Distribution



Red (93%)

Green (21%)

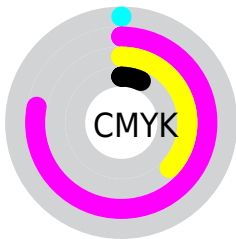
Blue (58%)



Red (93%)

Yellow (21%)

Blue (58%)

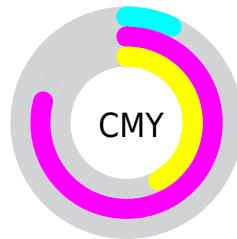


Cyan (0%)

Magenta (78%)

Yellow (37%)

Black (7%)



Cyan (7%)

Magenta (79%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6230, 22.7207, 30.6255 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 41.6230, 22.7207, 30.6255 by changing the saturation by 10% instead.



41.6230, 22.7207,  
30.6255

41.6230, 22.7207,  
30.6255

343.9360,  
266.2872, 319.1069

28.9960, 14.3874,  
20.0578

76.8975, 47.9343,  
61.7226

19.2221, 8.3906,  
12.2526

100.2757, 65.5834,  
83.0891

11.9358, 4.3459,  
6.7913

127.9684, 87.1066,  
108.8922

6.7719, 1.8689,  
3.2555

160.3409,  
112.8882, 139.5506

3.3649, 0.5296,  
1.2265

197.7585,  
143.3127, 175.4827

1.3495, 0.0000,  
0.0004

240.5867,

0.2198, 0.0000,

178.7644, 217.1071

0.0000

289.1907,  
219.6278, 264.8423

■ 0.0000, 0.0000,  
0.0000

■ 41.6230, 22.7207,  
30.6255

■ 41.6230, 22.7207,  
30.6255

■ 39.9354, 20.7240,  
25.8130

■ 43.9336, 25.8222,  
36.0806

■ 38.7732, 19.6413,  
21.5978


■ 46.9369, 30.1645,  
42.2130


■ 38.5407, 19.4508,  
20.6740

■ 50.6950, 35.8676,  
49.0549


■ 55.2620, 43.0365,  
56.6353

■ 60.6868, 51.7656,  
64.9811

 67.0144, 62.1412,  
74.1176

 74.2864, 74.2436,  
84.0686

 82.5417, 88.1475,  
94.8569

 88.1009, 96.4909,  
105.2652

# Harmonies

## Analogous

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



37.0362, 22.7207, 63.5395



41.6230, 22.7207, 30.6255



39.8423, 22.7207, 10.7851

# Triad

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



41.6230, 22.7207, 30.6255



15.9169, 22.7207, 2.0194



13.3660, 22.7207, 82.2417

# Complementary

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



41.6230, 22.7207, 30.6255



36.5619, 63.2492, 35.4860

# 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.



9.9947, 22.7207, 47.3677



41.6230, 22.7207, 30.6255



11.1823, 22.7207, 6.2014

# Square

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



41.6230, 22.7207, 30.6255



23.5633, 22.7207, 1.4537



9.3128, 22.7207, 19.6597



19.7401, 22.7207, 103.4781



# Rectangle

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



41.6230, 22.7207, 30.6255



35.4594, 22.7207, 4.8064



9.3128, 22.7207, 19.6597



11.9178, 22.7207, 70.9580

# Sweetspot

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



41.6237, 22.7220, 30.6259



74.9169, 66.4411, 81.5113



27.1863, 14.1401, 81.4172



15.4746, 13.3053, 16.6260



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.



41.6237, 22.7220, 30.6259



46.3043, 23.6279, 27.5432



36.9920, 20.8693, 6.2362



15.3937, 15.1853, 17.3585



21.1086, 10.6461, 11.6393



1.7061, 0.8554, 1.1699



# Inverse Universe

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



41.6237, 22.7220, 30.6259



46.3043, 23.6279, 27.5432



46.1582, 67.0877, 86.0194



15.3937, 15.1853, 17.3585



21.1086, 10.6461, 11.6393



1.7061, 0.8554, 1.1699



# Previews

## White Background



This preview shows how the XYZ color 41.6230, 22.7207, 30.6255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

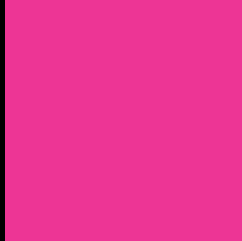
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.6230, 22.7207, 30.6255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

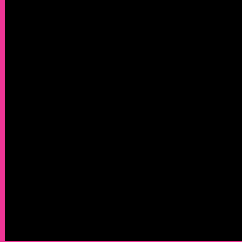
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.6230, 22.7207, 30.6255**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.6230, 22.7207, 30.6255.



This preview shows how white text looks on a background with the XYZ color 41.6230, 22.7207,



# 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

41.6230, 22.7207, 30.6255

### Protanopia

24.2225, 22.9498, 57.1859

### Deuteranopia

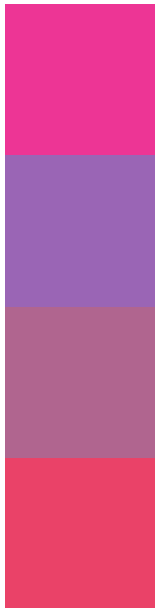
23.4373, 22.9945, 28.0140



## Tritanopia

37.1026, 22.6034, 9.6151

# Trichromacy



## Original Color

41.6230, 22.7207, 30.6255

## Protanomaly

26.3206, 19.5136, 46.0953

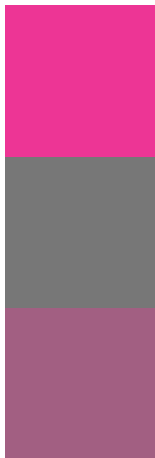
## Deuteranomaly

27.5161, 20.5206, 28.4972

## Tritanomaly

38.3786, 22.3883, 15.3953

# Monochromacy



## Original Color

41.6230, 22.7207, 30.6255

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

23.0218, 17.4775, 23.2792

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.6230, 22.7207, 30.6255 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(237, 53, 149)` looks like.

```
.text, #text, p{  
    color:rgb(237, 53, 149)  
}
```

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(237, 53, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 53, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 41.6230, 22.7207, 30.6255 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(237, 53, 149) }
```



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

```
.border{ border-color:rgb(237, 53, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 53, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 53, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 53, 149);  
box-shadow:4px 4px 4px 4px rgb(237, 53,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.6230, 22.7207, 30.6255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 53, 149) }
```

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

```
.background{ background-color: rgb(237, 53,  
149) }
```

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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