

# Converting Colors

XYZ(40.8325, 22.6212, 24.2105)

Have a look what the booklet for  
XYZ(40.8325, 22.6212, 24.2105)  
contains.

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# Color

**XYZ(40.7909, 22.5755,  
24.0374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE3784
RGB	238, 55, 132
RGB Percent	93%, 22%, 52%
CMY	0.0667, 0.7843, 0.4824
CMYK	0.00, 0.77, 0.45, 0.07
HSL	335°, 84%, 57%
HSV	335°, 77%, 93%
XYZ	40.7909, 22.5755, 24.0374
YIQ	118.4950, 84.3510, 62.7430

# Conversions

## Conversions Part 2

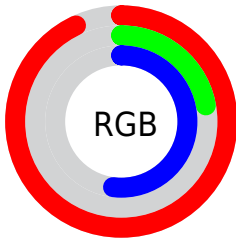
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 55, 132
Decimal	15611780
CIE <sub>Lab</sub>	54.63, 72.70, 0.90
CIE <sub>LCh</sub>	55, 72.704, 0.713
Yxy	22.5755, 0.4667, 0.2583
Android (android.graphics.Color)	4293801860 (0xFFEE3784)
YUV	118.4950, 6.6580, 104.8059
Hunter-Lab	47.5137, 70.0948, 3.2645

# Details

The XYZ color **40.7909, 22.5755, 24.0374** 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 **38.5850, 64.5351, 44.1474**, and the grayscale version is **17.3384, 18.2413, 19.8648**.

A 20% lighter version of the original color is **56.5938, 37.9564, 50.2424**, and **19.4658, 9.8546, 9.0598** is the 20% darker color. If you saturate the color by 10%, you get **39.0381, 20.4814, 19.1020**, and if you desaturate by 10%, it is **43.2141, 25.8110, 29.8118**.

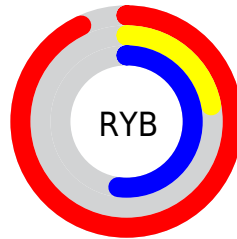
# Distribution



Red (93%)

Green (22%)

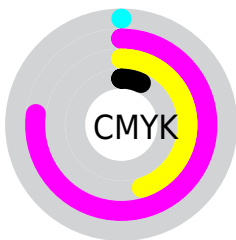
Blue (52%)



Red (93%)

Yellow (22%)

Blue (52%)

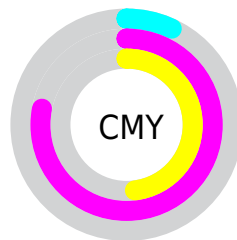


Cyan (0%)

Magenta (77%)

Yellow (45%)

Black (7%)



Cyan (7%)

Magenta (78%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7909, 22.5755, 24.0374 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 40.7909, 22.5755, 24.0374 by changing the saturation by 10% instead.




 40.7909, 22.5755,  
24.0374

 40.7909, 22.5755,  
24.0374


340.5235,  
265.5371, 286.3022


 28.3427, 14.2804,  
15.1489


 75.6431, 47.6954,  
51.0358


 18.7259, 8.3159,  
8.7762


 98.7778, 65.2889,  
69.9828


 11.5752, 4.2978,  
4.5007


 126.2053, 86.7506,  
93.1198

 6.5253, 1.8415,  
1.9038

 158.2911,  
112.4651, 120.8652

 3.2107, 0.5128,  
0.4952

 195.4004,  
142.8165, 153.6376

 1.2661, 0.0000,  
0.0000

237.8987,

 0.1577, 0.0000,

178.1894, 191.8555

0.0000

286.1513,  
218.9682, 235.9375

■ 0.0000, 0.0000,  
0.0000

■ 40.7909, 22.5755,  
24.0374

■ 40.7909, 22.5755,  
24.0374

■ 39.0381, 20.4814,  
19.1020

■ 43.2141, 25.8110,  
29.8118

■ 37.8607, 19.3462,  
14.9494


■ 46.3797, 30.3242,  
36.4713


■ 37.5664, 19.0997,  
13.7967


■ 50.3515, 36.2361,  
44.0589


■ 55.1858, 43.6524,  
52.6137

■ 60.9335, 52.6687,  
62.1724

 67.6413, 63.3723,  
72.7693

 75.3529, 75.8446,  
84.4370

 84.1089, 90.1613,  
97.2065

 89.0697, 96.9171,  
108.6201

# Harmonies

## Analogous

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



37.8510, 22.5755, 53.0196



40.7909, 22.5755, 24.0374



37.5725, 22.5755, 8.2550

# Triad

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



40.7909, 22.5755, 24.0374



14.5249, 22.5755, 2.8344



14.7817, 22.5755, 86.4421

# Complementary

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



40.7909, 22.5755, 24.0374



38.5850, 64.5351, 44.1474

# 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.



10.7689, 22.5755, 54.6186



40.7909, 22.5755, 24.0374



10.6486, 22.5755, 8.7218

# Square

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



40.7909, 22.5755, 24.0374



21.2667, 22.5755, 1.6093



9.4645, 22.5755, 25.1325



21.6491, 22.5755, 100.1108



# Rectangle

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



40.7909, 22.5755, 24.0374



32.7373, 22.5755, 3.8262



9.4645, 22.5755, 25.1325



13.1212, 22.5755, 76.8252

# Sweetspot

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



40.7915, 22.5768, 24.0378



74.1135, 66.1198, 77.2805



31.0393, 16.2477, 82.3887



15.2813, 13.2279, 15.6081



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.



40.7915, 22.5768, 24.0378



44.8331, 23.1089, 19.5822



37.9696, 22.4928, 5.9566



16.0487, 15.8692, 17.8127



21.0197, 10.6803, 8.0202



1.7972, 0.9079, 0.9232



# Inverse Universe

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



40.7915, 22.5768, 24.0378



44.8331, 23.1089, 19.5822



44.1510, 61.2700, 90.3878



16.0487, 15.8692, 17.8127



21.0197, 10.6803, 8.0202



1.7972, 0.9079, 0.9232



# Previews

## White Background



This preview shows how the XYZ color 40.7909, 22.5755, 24.0374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

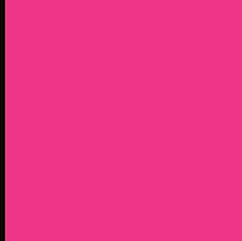
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.7909, 22.5755, 24.0374 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 40.7909, 22.5755, 24.0374**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7909, 22.5755, 24.0374.



This preview shows how white text looks on a background with the XYZ color 40.7909, 22.5755,



# 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

40.7909, 22.5755, 24.0374

### Protanopia

23.2903, 22.9514, 44.2768

### Deuteranopia

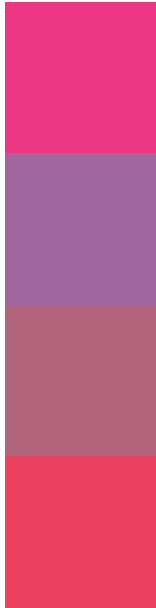
23.1971, 22.8118, 21.9194



## Tritanopia

37.7502, 22.6631, 8.8633

# Trichromacy



## Original Color

40.7909, 22.5755, 24.0374

## Protanomaly

26.0957, 19.9199, 35.7272

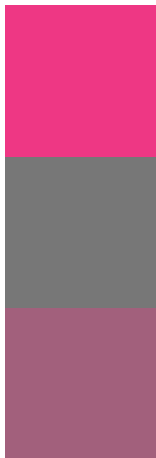
## Deuteranomaly

27.2420, 20.5170, 22.2630

## Tritanomaly

38.5479, 22.4397, 13.1261

# Monochromacy



## Original Color

40.7909, 22.5755, 24.0374

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

22.7213, 17.5024, 21.2495

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7909, 22.5755, 24.0374 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(238, 55, 132)` looks like.

```
.text, #text, p{  
    color:rgb(238, 55, 132)  
}
```

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(238, 55, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 55, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7909, 22.5755, 24.0374 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(238, 55, 132) }
```



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

```
.border{ border-color:rgb(238, 55, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 55, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 55, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 55, 132);  
box-shadow:4px 4px 4px 4px rgb(238, 55,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7909, 22.5755, 24.0374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 55, 132) }
```

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

```
.background{ background-color: rgb(238, 55,  
132) }
```

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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