

# Converting Colors

XYZ(41.6622, 24.5241, 35.4838)

Have a look what the booklet for  
XYZ(41.6622, 24.5241, 35.4838)  
contains.

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# Color

**XYZ(41.7291, 24.5243,  
35.3352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E74B9F
RGB	231, 75, 159
RGB Percent	91%, 29%, 62%
CMY	0.0941, 0.7058, 0.3765
CMYK	0.00, 0.68, 0.31, 0.09
HSL	328°, 76%, 60%
HSV	328°, 68%, 91%
XYZ	41.7291, 24.5243, 35.3352
YIQ	131.2200, 66.0120, 59.1960

# Conversions

## Conversions Part 2

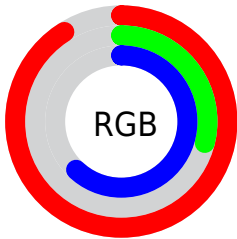
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 75, 159
Decimal	15158175
CIE <sub>Lab</sub>	56.61, 67.05, -12.25
CIE <sub>LCh</sub>	57, 68.158, 349.644
Yxy	24.5243, 0.4108, 0.2414
Android (android.graphics.Color)	4293348255 (0xFFE74B9F)
YUV	131.2200, 13.6955, 87.5071
Hunter-Lab	49.5220, 63.7472, -7.6395

# Details

The XYZ color **41.7291, 24.5243, 35.3352** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **36.7455, 60.7550, 37.3977**, and the grayscale version is **21.5894, 22.7137, 24.7352**.

A 20% lighter version of the original color is **61.9027, 43.1652, 68.6874**, and **19.5014, 9.7406, 15.0397** is the 20% darker color. If you saturate the color by 10%, you get **39.5511, 21.5857, 30.2395**, and if you desaturate by 10%, it is **44.5568, 28.6343, 41.0417**.

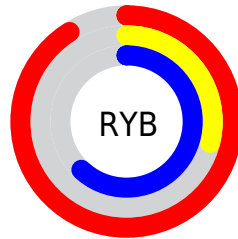
# Distribution



Red (91%)

Green (29%)

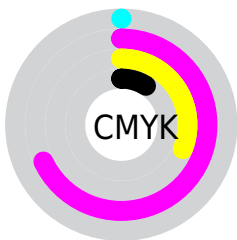
Blue (62%)



Red (91%)

Yellow (29%)

Blue (62%)

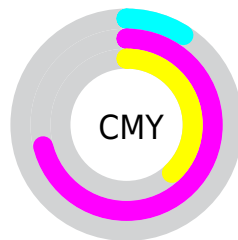


Cyan (0%)

Magenta (68%)

Yellow (31%)

Black (9%)



Cyan (9%)

Magenta (71%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7291, 24.5243, 35.3352 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 41.7291, 24.5243, 35.3352 by changing the saturation by 10% instead.




 41.7291, 24.5243,  
35.3352


 41.7291, 24.5243,  
35.3352


344.3695,  
275.4606, 340.9945


 29.0794, 15.7230,  
23.6356


 77.0572, 50.8844,  
69.1622


 19.2855, 9.3284,  
14.8538


 100.4663, 69.2121,  
92.1266


 11.9820, 4.9560,  
8.5714


 128.1926, 91.4839,  
119.6831

 6.8035, 2.2215,  
4.3697

 160.6015,  
118.0844, 152.2501

 3.3848, 0.7317,  
1.8303

 198.0583,  
149.3979, 190.2462

 1.3603, 0.0000,  
0.4478

240.9283,

 0.2277, 0.0000,

185.8089, 234.0899

0.0000

289.5769,  
227.7016, 284.1999

■ 0.0000, 0.0000,  
0.0000

■ 41.7291, 24.5243,  
35.3352

■ 41.7291, 24.5243,  
35.3352

■ 39.5511, 21.5857,  
30.2395

■ 44.5568, 28.6343,  
41.0417

■ 37.9538, 19.6840,  
25.7211

■ 48.0893, 34.0232,  
47.3862


■ 36.8487, 18.6456,  
21.7403


■ 52.3778, 40.7903,  
54.3954


■ 36.6172, 18.4538,  
20.8267


■ 57.4680, 49.0243,  
62.0932

■ 63.4020, 58.8061,  
70.5024

 70.2186, 70.2109,  
79.6443

 77.9541, 83.3088,  
89.5391

 85.0894, 95.0587,  
99.6884

 86.7586, 95.7264,  
108.4780

# Harmonies

## Analogous

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



36.9472, 24.5243, 66.0712



41.7291, 24.5243, 35.3352



40.7951, 24.5243, 14.5603

# Triad

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



41.7291, 24.5243, 35.3352



18.5556, 24.5243, 3.0888



14.7736, 24.5243, 75.6353

# Complementary

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



41.7291, 24.5243, 35.3352



36.7455, 60.7550, 37.3977

# 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.



11.7076, 24.5243, 44.2126



41.7291, 24.5243, 35.3352



13.5239, 24.5243, 7.2474

# Square

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



41.7291, 24.5243, 35.3352



26.1557, 24.5243, 2.6748



11.3089, 24.5243, 19.6050



20.6779, 24.5243, 96.6879



# Rectangle

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



41.7291, 24.5243, 35.3352



37.1126, 24.5243, 7.4227



11.3089, 24.5243, 19.6050



13.4395, 24.5243, 65.3153

# Sweetspot

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



41.7298, 24.5256, 35.3356



77.3218, 70.2413, 85.4252



28.6538, 16.8413, 77.3419



16.0944, 14.2822, 17.6425



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.



41.7298, 24.5256, 35.3356



48.6313, 25.9372, 35.5471



37.0257, 22.6440, 10.5642



14.6998, 14.4971, 16.6198



20.5915, 10.3708, 12.0096



1.5684, 0.7851, 1.1339



# Inverse Universe

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



41.7298, 24.5256, 35.3356



48.6313, 25.9372, 35.5471



44.8247, 63.9867, 79.9421



14.6998, 14.4971, 16.6198



20.5915, 10.3708, 12.0096



1.5684, 0.7851, 1.1339



# Previews

## White Background



This preview shows how the XYZ color 41.7291, 24.5243, 35.3352 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 41.7291, 24.5243, 35.3352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

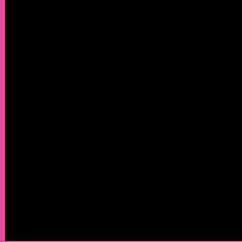
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.7291, 24.5243, 35.3352**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7291, 24.5243, 35.3352.



This preview shows how white text looks on a background with the XYZ color 41.7291, 24.5243,



# 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

41.7291, 24.5243, 35.3352

### Protanopia

25.8899, 24.7977, 58.0655

### Deuteranopia

25.3011, 24.8491, 32.7410



## Tritanopia

37.2628, 24.5140, 14.0770

# Trichromacy



## Original Color

41.7291, 24.5243, 35.3352

## Protanomaly

28.5667, 22.4811, 48.7326

## Deuteranomaly

29.3061, 23.0354, 33.4735

## Tritanomaly

38.6336, 24.3470, 20.4325

# Monochromacy



## Original Color

41.7291, 24.5243, 35.3352

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

26.4285, 21.5075, 27.9577

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7291, 24.5243, 35.3352 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(231, 75, 159)` looks like.

```
.text, #text, p{  
    color:rgb(231, 75, 159)  
}
```

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(231, 75, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 75, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7291, 24.5243, 35.3352 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(231, 75, 159) }
```



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

```
.border{ border-color:rgb(231, 75, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 75, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 75, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 75, 159); box-shadow:4px 4px 4px 4px rgb(231, 75, 159) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7291, 24.5243, 35.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 75, 159) }
```

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

```
.background{ background-color: rgb(231, 75,  
159) }
```

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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