

# Converting Colors

XYZ(40.1801, 21.3575, 33.4572)

Have a look what the booklet for  
XYZ(40.1801, 21.3575, 33.4572)  
contains.

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# Color

**XYZ(40.1801, 21.3575,  
33.4572)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E82C9C
RGB	232, 44, 156
RGB Percent	91%, 17%, 61%
CMY	0.0902, 0.8274, 0.3882
CMYK	0.00, 0.81, 0.33, 0.09
HSL	324°, 80%, 54%
HSV	324°, 81%, 91%
XYZ	40.1801, 21.3575, 33.4572
YIQ	112.9800, 76.0960, 74.6880

# Conversions

## Conversions Part 2

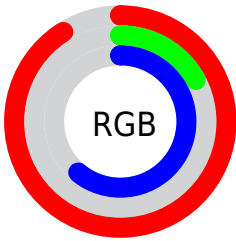
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 44, 156
Decimal	15215772
CIE <sub>Lab</sub>	53.34, 76.38, -15.41
CIE <sub>LCh</sub>	53, 77.922, 348.593
Yxy	21.3575, 0.4230, 0.2248
Android (android.graphics.Color)	4293405852 (0xFFE82C9C)
YUV	112.9800, 21.2089, 104.3805
Hunter-Lab	46.2142, 74.3189, -10.5736

# Details

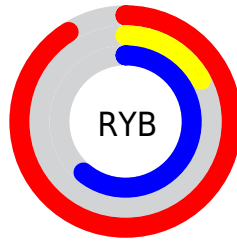
The XYZ color **40.1801, 21.3575, 33.4572** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **33.2871, 59.6054, 27.5249**, and the grayscale version is **15.6157, 16.4290, 17.8911**.

A 20% lighter version of the original color is **58.6823, 37.3320, 65.7409**, and **19.3444, 9.6778, 14.2130** is the 20% darker color. If you saturate the color by 10%, you get **38.7802, 19.7801, 29.2221**, and if you desaturate by 10%, it is **42.1249, 23.9263, 38.1769**.

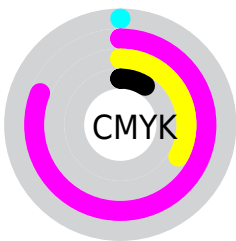
# Distribution



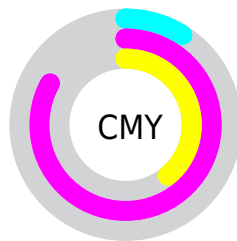
- Red (91%)
- Green (17%)
- Blue (61%)



- Red (91%)
- Yellow (17%)
- Blue (61%)



- Cyan (0%)
- Magenta (81%)
- Yellow (33%)
- Black (9%)




- Cyan (9%)
- Magenta (83%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1801, 21.3575, 33.4572 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 40.1801, 21.3575, 33.4572 by changing the saturation by 10% instead.





 40.1801, 21.3575,  
33.4572


 40.1801, 21.3575,  
33.4572


338.0035,  
259.1723, 332.3999

 27.8638, 13.3856,  
22.2029


 74.7203, 45.6818,  
66.2129


 18.3630, 7.6946,  
13.8064


 97.6749, 62.8029,  
88.5514


 11.3122, 3.9001,  
7.8489


 124.9064, 83.7425,  
115.4217

 6.3460, 1.6179,  
3.9120

 156.7800,  
108.8851, 147.2425

 3.0993, 0.3696,  
1.5772

 193.6612,  
138.6149, 184.4321

 1.2065, 0.0000,  
0.2745

235.9152,

 0.1115, 0.0000,

173.3165, 227.4092

0.0000

283.9076,  
213.3742, 276.5923

■ 0.0000, 0.0000,  
0.0000

■ 40.1801, 21.3575,  
33.4572

■ 40.1801, 21.3575,  
33.4572

■ 38.7802, 19.7801,  
29.2221

■ 42.1249, 23.9263,  
38.1769


■ 37.8810, 18.9967,  
25.7929


■ 44.6843, 27.6242,  
43.4105


■ 47.9191, 32.5705,  
49.1849


■ 51.8818, 38.8683,  
55.5236

■ 56.6196, 46.6099,  
62.4485

 62.1754, 55.8795,  
69.9797

 68.5891, 66.7545,  
78.1361

 75.8977, 79.3075,  
86.9357

 84.1359, 93.6063,  
96.3955

# Harmonies

## Analogous

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



34.6888, 21.3575, 68.1588



40.1801, 21.3575, 33.4572



39.3736, 21.3575, 11.5606

# Triad

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



40.1801, 21.3575, 33.4572



15.6464, 21.3575, 1.2985



11.5050, 21.3575, 76.7502

# Complementary

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



40.1801, 21.3575, 33.4572



33.2871, 59.6054, 27.5249

# 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.



8.6632, 21.3575, 40.9750



40.1801, 21.3575, 33.4572



10.5679, 21.3575, 4.2817

# Square

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



40.1801, 21.3575, 33.4572



23.6046, 21.3575, 1.0947



8.3745, 21.3575, 15.3709



17.3186, 21.3575, 102.3733



# Rectangle

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



40.1801, 21.3575, 33.4572



35.4101, 21.3575, 4.8595



8.3745, 21.3575, 15.3709



10.2469, 21.3575, 64.7150

# Sweetspot

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



40.1807, 21.3587, 33.4576



74.8064, 65.4823, 83.7493



23.1033, 11.5655, 77.3585



15.4831, 13.1339, 17.2098



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.



40.1807, 21.3587, 33.4576



47.2394, 23.7926, 33.1128



35.0720, 19.3152, 6.5552



14.7356, 14.5114, 16.8078



21.0940, 10.5718, 14.6559



1.6045, 0.7995, 1.3237



# Inverse Universe

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



40.1807, 21.3587, 33.4576



47.2394, 23.7926, 33.1128



41.9318, 63.0633, 73.0474



14.7356, 14.5114, 16.8078



21.0940, 10.5718, 14.6559



1.6045, 0.7995, 1.3237



# Previews

## White Background



This preview shows how the XYZ color 40.1801, 21.3575, 33.4572 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

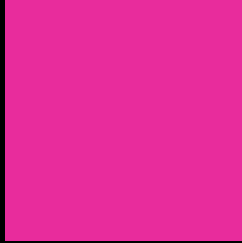
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1801, 21.3575, 33.4572 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 40.1801, 21.3575, 33.4572**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1801, 21.3575, 33.4572.



This preview shows how white text looks on a background with the XYZ color 40.1801, 21.3575,



# 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

40.1801, 21.3575, 33.4572

### Protanopia

23.6309, 21.6960, 65.2296

### Deuteranopia

22.0376, 21.6481, 30.2111



## Tritanopia

34.9859, 21.3253, 9.1097

# Trichromacy



## Original Color

40.1801, 21.3575, 33.4572



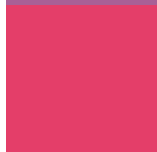
## Protanomaly

25.0250, 18.0112, 52.0267



## Deuteranomaly

25.8363, 18.8926, 31.1391



## Tritanomaly

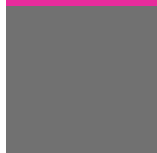
36.2673, 20.9592, 15.4986

# Monochromacy



## Original Color

40.1801, 21.3575, 33.4572



## Achromatopsia

15.6958, 16.5132, 17.9829



## Achromatomaly

21.1625, 15.6323, 22.6708

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1801, 21.3575, 33.4572 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(232, 44, 156)` looks like.

```
.text, #text, p{  
    color:rgb(232, 44, 156)  
}
```

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(232, 44, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 44, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1801, 21.3575, 33.4572 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(232, 44, 156) }
```



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

```
.border{ border-color:rgb(232, 44, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 44, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 44, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 44, 156);  
box-shadow:4px 4px 4px 4px rgb(232, 44,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1801, 21.3575, 33.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 44, 156) }
```

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

```
.background{ background-color: rgb(232, 44,  
156) }
```

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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