

# Converting Colors

XYZ(43.0273, 21.1142, 50.2298)

Have a look what the booklet for  
XYZ(43.0273, 21.1142, 50.2298)  
contains.

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# Color

**XYZ(43.1170, 21.1665,  
49.9571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA00BD
RGB	234, 0, 189
RGB Percent	92%, 0%, 74%
CMY	0.0823, 0.9998, 0.2588
CMYK	0.00, 1.00, 0.19, 0.08
HSL	312°, 100%, 46%
HSV	312°, 100%, 92%
XYZ	43.1170, 21.1665, 49.9571
YIQ	91.5120, 78.7950, 108.3870

# Conversions

## Conversions Part 2

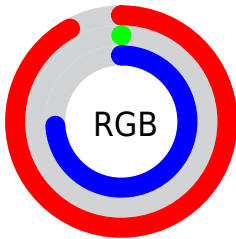
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 0, 189
Decimal	15335613
CIE <sub>Lab</sub>	53.13, 86.21, -35.06
CIE <sub>LCh</sub>	53, 93.064, 337.866
Yxy	21.1665, 0.3774, 0.1853
Android (android.graphics.Color)	4293525693 (0xFFEA00BD)
YUV	91.5120, 48.0616, 124.9620
Hunter-Lab	46.0071, 86.7747, -32.1755

# Details

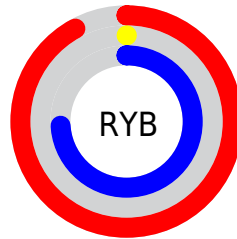
The XYZ color **43.1170, 21.1665, 49.9571** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **29.8980, 59.0361, 12.3063**, and the grayscale version is **9.9472, 10.4653, 11.3967**.

A 20% lighter version of the original color is **62.2422, 36.6492, 90.9822**, and **21.6068, 10.6335, 23.8353** is the 20% darker color. If you saturate the color by 10%, you get **43.1164, 21.1663, 49.9527**, and if you desaturate by 10%, it is **43.9288, 21.9957, 52.6760**.

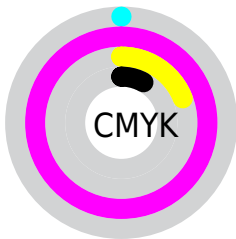
# Distribution



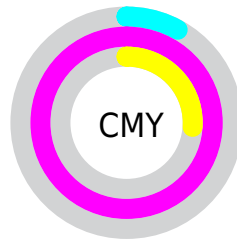
- Red (92%)
- Green (0%)
- Blue (74%)



- Red (92%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1170, 21.1665, 49.9571 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 43.1170, 21.1665, 49.9571 by changing the saturation by 10% instead.





 43.1170, 21.1665,  
49.9571


 43.1170, 21.1665,  
49.9571

350.0061,  
258.1620, 403.2284


 30.1718, 13.2458,  
35.0084


 79.1420, 45.3645,  
91.5070


 20.1178, 7.5980,  
23.3857


 102.9526, 62.4105,  
118.9452


 12.5894, 3.8388,  
14.6706


 131.1156, 83.2671,  
151.3836

 7.2215, 1.5838,  
8.4445

 163.9966,  
108.3186, 189.2409

 3.6486, 0.3466,  
4.2888

 201.9607,  
137.9495, 232.9354

 1.5053, 0.0000,  
1.7851

 245.3734,

 0.3294, 0.0000,

172.5441, 282.8858

0.4181

294.6001,  
212.4868, 339.5107

■ 0.0000, 0.0000,  
0.0000

■ 43.1170, 21.1665,  
49.9571

■ 43.1170, 21.1665,  
49.9571

■ 43.1164, 21.1663,  
49.9527

■ 43.9288, 21.9957,  
52.6760

■ 45.1354, 23.5903,  
55.6018

■ 46.8576, 26.1914,  
58.7756

■ 49.1659, 29.9397,  
62.2215

■ 52.1194, 34.9535,  
65.9599

■ 55.7702, 41.3365,  
70.0088

■ 60.1647, 49.1814,  
74.3842

■ 65.3454, 58.5729,  
79.1009

■ 71.3515, 69.5894,  
84.1727

# Harmonies

## Analogous

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



34.0480, 21.1665, 97.3311



43.1170, 21.1665, 49.9571



45.1629, 21.1665, 16.4202

# Triad

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



43.1170, 21.1665, 49.9571



17.6472, 21.1665, 0.0000



8.6047, 21.1665, 74.6005

# Complementary

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



43.1170, 21.1665, 49.9571



29.8980, 59.0361, 12.3063

# 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.



6.6269, 21.1665, 31.2521



43.1170, 21.1665, 49.9571



10.6243, 21.1665, 1.3010

# Square

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



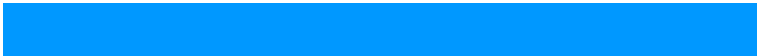
43.1170, 21.1665, 49.9571



28.0888, 21.1665, 0.3776



7.2218, 21.1665, 8.1037



13.8190, 21.1665, 117.9376



# Rectangle

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



43.1170, 21.1665, 49.9571



41.8064, 21.1665, 5.9027



7.2218, 21.1665, 8.1037



7.6317, 21.1665, 58.6073

# Sweetspot

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



43.1177, 21.1676, 49.9575



73.0307, 59.6084, 90.3172



15.8454, 6.4537, 78.2530



15.1243, 11.8490, 18.8394



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.



43.1177, 21.1676, 49.9575



52.3748, 25.7139, 60.5650



35.1728, 17.9896, 8.1199



15.5834, 15.2612, 18.3572



24.2737, 11.9122, 28.3064



1.9379, 0.9481, 2.3905



# Inverse Universe

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



43.1177, 21.1676, 49.9575



52.3748, 25.7139, 60.5650



35.7612, 61.3814, 43.1812



15.5834, 15.2612, 18.3572



24.2737, 11.9122, 28.3064



1.9379, 0.9481, 2.3905



# Previews

## White Background



This preview shows how the XYZ color 43.1170, 21.1665, 49.9571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

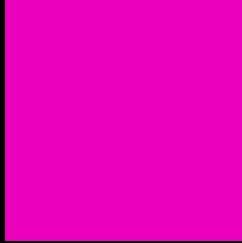
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1170, 21.1665, 49.9571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

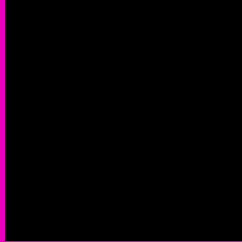
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 43.1170, 21.1665, 49.9571**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1170, 21.1665, 49.9571.



This preview shows how white text looks on a background with the XYZ color 43.1170, 21.1665,



# 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

43.1170, 21.1665, 49.9571

### Protanopia

26.2125, 22.1275, 97.4972

### Deuteranopia

22.3352, 21.8638, 44.6379



## Tritanopia

34.8753, 21.4552, 9.5109

# Trichromacy



## Original Color

43.1170, 21.1665, 49.9571



## Protanomaly

23.9019, 14.8062, 77.1994



## Deuteranomaly

25.1875, 16.3892, 45.5520



## Tritanomaly

36.2814, 19.8350, 19.0558

# Monochromacy



## Original Color

43.1170, 21.1665, 49.9571



## Achromatopsia

10.1725, 10.7023, 11.6548



## Achromatomaly

16.8963, 10.5895, 21.2321

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1170, 21.1665, 49.9571 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(234, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 189)  
}
```

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(234, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1170, 21.1665, 49.9571 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(234, 0, 189) }
```



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

```
.border{ border-color:rgb(234, 0, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 0, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(234, 0,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1170, 21.1665, 49.9571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 189) }
```

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

```
.background{ background-color: rgb(234, 0,  
189) }
```

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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