

# Converting Colors

XYZ(41.9274, 20.5407, 50.4701)

Have a look what the booklet for  
XYZ(41.9274, 20.5407, 50.4701)  
contains.

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# Color

**XYZ(41.9274, 20.5407,  
50.4701)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E600BE
RGB	230, 0, 190
RGB Percent	90%, 0%, 75%
CMY	0.0980, 0.9998, 0.2549
CMYK	0.00, 1.00, 0.17, 0.10
HSL	310°, 100%, 45%
HSV	310°, 100%, 90%
XYZ	41.9274, 20.5407, 50.4701
YIQ	90.4300, 76.0900, 107.8500

# Conversions

## Conversions Part 2

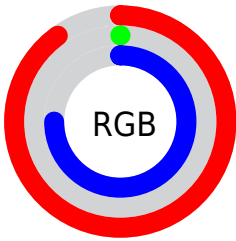
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 0, 190
Decimal	15073470
CIE <sub>Lab</sub>	52.44, 85.61, -36.78
CIE <sub>LCh</sub>	52, 93.171, 336.751
Yxy	20.5407, 0.3712, 0.1819
Android (android.graphics.Color)	4293263550 (0xFFE600BE)
YUV	90.4300, 49.0880, 122.4029
Hunter-Lab	45.3218, 85.8177, -34.2996

# Details

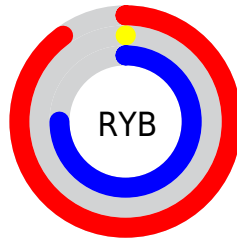
The XYZ color **41.9274, 20.5407, 50.4701** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed rose. A complement of this color would be **28.6813, 56.7478, 11.4531**, and the grayscale version is **9.7014, 10.2066, 11.1150**.

A 20% lighter version of the original color is **62.3032, 36.5248, 91.7619**, and **20.8061, 10.2126, 24.1672** is the 20% darker color. If you saturate the color by 10%, you get **41.9269, 20.5405, 50.4660**, and if you desaturate by 10%, it is **42.6783, 21.3327, 52.9078**.

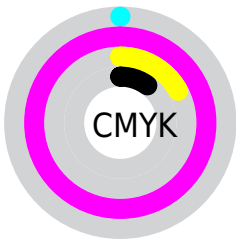
# Distribution



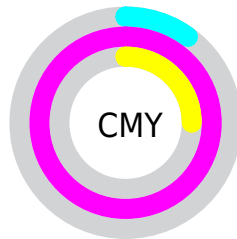
- Red (90%)
- Green (0%)
- Blue (75%)



- Red (90%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9274, 20.5407, 50.4701 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 41.9274, 20.5407, 50.4701 by changing the saturation by 10% instead.




 41.9274, 20.5407,  
50.4701


 41.9274, 20.5407,  
50.4701

345.1786,  
254.8274, 405.2891


 29.2353, 12.7887,  
35.4133


 77.3556, 44.3219,  
92.2745


 19.4041, 7.2832,  
23.6953


 100.8224, 61.1198,  
119.8591


 12.0684, 3.6398,  
14.8976


 128.6115, 81.7019,  
152.4567

 6.8628, 1.4742,  
8.6018

 161.0882,  
106.4524, 190.4859

 3.4220, 0.2705,  
4.3891

 198.6179,  
135.7558, 234.3652

 1.3807, 0.0000,  
1.8411

 241.5660,

 0.2424, 0.0000,

169.9965, 284.5132

0.4549

290.2978,  
209.5589, 341.3483

■ 0.0000, 0.0000,  
0.0000

■ 41.9274, 20.5407,  
50.4701

■ 41.9274, 20.5407,  
50.4701

■ 41.9269, 20.5405,  
50.4660

■ 42.6783, 21.3327,  
52.9078

■ 43.8053, 22.8578,  
55.5304

■ 45.4251, 25.3490,  
58.3775

■ 47.6052, 28.9413,  
61.4719

■ 50.4024, 33.7478,  
64.8330

■ 53.8663, 39.8678,  
68.4779

■ 58.0414, 47.3902,  
72.4218

■ 62.9686, 56.3964,  
76.6787

■ 68.6852, 66.9612,  
81.2615

# Harmonies

## Analogous

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



32.8143, 20.5407, 97.3260



41.9274, 20.5407, 50.4701



44.2559, 20.5407, 16.6979

# Triad

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



41.9274, 20.5407, 50.4701



17.4286, 20.5407, 0.0000



8.1364, 20.5407, 71.3949

# Complementary

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



41.9274, 20.5407, 50.4701



28.6813, 56.7478, 11.4531

# 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.



6.3129, 20.5407, 29.1888



41.9274, 20.5407, 50.4701



10.4153, 20.5407, 1.1090

# Square

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



41.9274, 20.5407, 50.4701



27.7728, 20.5407, 0.3366



6.9825, 20.5407, 7.2945



13.0943, 20.5407, 114.8868



# Rectangle

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



41.9274, 20.5407, 50.4701



41.1372, 20.5407, 5.9906



6.9825, 20.5407, 7.2945



7.2260, 20.5407, 55.6884

# Sweetspot

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



41.9281, 20.5418, 50.4705



73.2410, 59.6925, 91.4245



15.0965, 6.1333, 75.2516



15.1751, 11.8693, 19.1068



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.



41.9281, 20.5418, 50.4705



52.9532, 25.9453, 63.6110



33.9627, 17.3556, 8.5248



14.8818, 14.5699, 17.5782



23.7769, 11.6450, 28.7840



1.7855, 0.8719, 2.2768



# Inverse Universe

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



41.9281, 20.5418, 50.4705



52.9532, 25.9453, 63.6110



34.0761, 58.9057, 39.8619



14.8818, 14.5699, 17.5782



23.7769, 11.6450, 28.7840



1.7855, 0.8719, 2.2768



# Previews

## White Background



This preview shows how the XYZ color 41.9274, 20.5407, 50.4701 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



## 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 41.9274, 20.5407, 50.4701**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.9274, 20.5407, 50.4701.



This preview shows how white text looks on a background with the XYZ color 41.9274, 20.5407,



# 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

41.9274, 20.5407, 50.4701

### Protanopia

25.6367, 21.4624, 97.3992

### Deuteranopia

21.5538, 21.0697, 45.0503



## Tritanopia

33.7462, 20.9688, 9.6659

# Trichromacy



## Original Color

41.9274, 20.5407, 50.4701



## Protanomaly

22.9739, 14.2216, 77.1355



## Deuteranomaly

24.2611, 15.7901, 46.0251



## Tritanomaly

35.1272, 19.2931, 19.3253

# Monochromacy



## Original Color

41.9274, 20.5407, 50.4701



## Achromatopsia

9.7181, 10.2242, 11.1341



## Achromatomaly

16.2135, 10.0953, 20.8327

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9274, 20.5407, 50.4701 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(230, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 190)  
}
```

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(230, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9274, 20.5407, 50.4701 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(230, 0, 190) }
```



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

```
.border{ border-color:rgb(230, 0, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9274, 20.5407, 50.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 190) }
```

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

```
.background{ background-color: rgb(230, 0,  
190) }
```

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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