

# Converting Colors

XYZ(41.6597, 20.5101, 45.6064)

Have a look what the booklet for  
XYZ(41.6597, 20.5101, 45.6064)  
contains.

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# Color

**XYZ(41.6192, 20.4920,  
45.4778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E800B5
RGB	232, 0, 181
RGB Percent	91%, 0%, 71%
CMY	0.0902, 0.9998, 0.2902
CMYK	0.00, 1.00, 0.22, 0.09
HSL	313°, 100%, 45%
HSV	313°, 100%, 91%
XYZ	41.6192, 20.4920, 45.4778
YIQ	90.0020, 80.1710, 105.4750

# Conversions

## Conversions Part 2

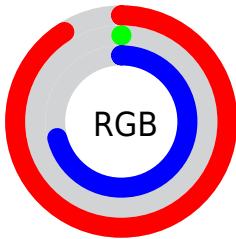
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 0, 181
Decimal	15204533
CIE <sub>Lab</sub>	52.39, 84.90, -31.59
CIE <sub>LCh</sub>	52, 90.589, 339.592
Yxy	20.4920, 0.3868, 0.1905
Android (android.graphics.Color)	4293394613 (0xFFE800B5)
YUV	90.0020, 44.8620, 124.5322
Hunter-Lab	45.2681, 84.8926, -27.8770

# Details

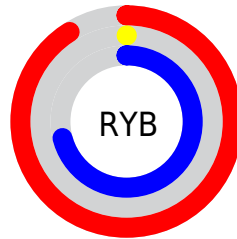
The XYZ color **41.6192, 20.4920, 45.4778** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **29.4559, 57.9532, 12.7709**, and the grayscale version is **9.6146, 10.1153, 11.0156**.

A 20% lighter version of the original color is **60.8008, 35.9238, 83.8502**, and **20.6909, 10.2164, 21.3035** is the 20% darker color. If you saturate the color by 10%, you get **41.6184, 20.4917, 45.4726**, and if you desaturate by 10%, it is **42.4639, 21.3280, 48.3895**.

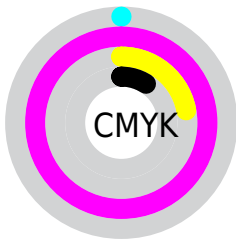
# Distribution



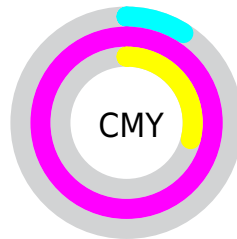
- Red (91%)
- Green (0%)
- Blue (71%)



- Red (91%)
- Yellow (0%)
- Blue (71%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6192, 20.4920, 45.4778 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 41.6192, 20.4920, 45.4778 by changing the saturation by 10% instead.





 41.6192, 20.4920,  
45.4778


 41.6192, 20.4920,  
45.4778


343.9205,  
254.5663, 384.9216


 28.9930, 12.7532,  
31.4883


 76.8918, 44.2405,  
84.7630


 19.2198, 7.2588,  
20.7093


 100.2689, 61.0190,  
110.8957

 11.9342, 3.6245,  
12.7225


 127.9603, 81.5796,  
141.9132

 6.7707, 1.4658,  
7.1093

 160.3315,  
106.3065, 178.2340

 3.3642, 0.2645,  
3.4511

 197.7478,  
135.5843, 220.2768

 1.3492, 0.0000,  
1.3293

 240.5744,

 0.2196, 0.0000,

169.7972, 268.4599

0.0856

289.1769,  
209.3297, 323.2020

■ 0.0000, 0.0000,  
0.0000

■ 41.6192, 20.4920,  
45.4778

■ 41.6192, 20.4920,  
45.4778

■ 41.6184, 20.4917,  
45.4726

■ 42.4639, 21.3280,  
48.3895

■ 43.6996, 22.9154,  
51.5269

■ 45.4453, 25.4914,  
54.9309

■ 47.7700, 29.1936,  
58.6253

■ 50.7316, 34.1381,  
62.6304

■ 54.3812, 40.4260,  
66.9642

■ 58.7642, 48.1484,  
71.6427

■ 63.9224, 57.3883,  
76.6807

■ 69.8942, 68.2223,  
82.0920

# Harmonies

## Analogous

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



33.3088, 20.4920, 90.0335



41.6192, 20.4920, 45.4778



43.0895, 20.4920, 14.7932

# Triad

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



41.6192, 20.4920, 45.4778



16.6355, 20.4920, 0.0701



8.6579, 20.4920, 73.7542

# Complementary

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



41.6192, 20.4920, 45.4778



29.4559, 57.9532, 12.7709

# 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.



6.5947, 20.4920, 32.0255



41.6192, 20.4920, 45.4778



10.1280, 20.4920, 1.5150

# Square

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



41.6192, 20.4920, 45.4778



26.4335, 20.4920, 0.3791



7.0294, 20.4920, 8.7550



13.8626, 20.4920, 113.5464



# Rectangle

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



41.6192, 20.4920, 45.4778



39.6357, 20.4920, 5.3333



7.0294, 20.4920, 8.7550



7.6636, 20.4920, 58.5611

# Sweetspot

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



41.6199, 20.4931, 45.4782



72.7191, 59.4838, 88.6763



15.8964, 6.5130, 76.7636



15.0492, 11.8189, 18.4437



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.



41.6199, 20.4931, 45.4782



51.5410, 25.3804, 56.1743



34.2559, 17.5475, 6.6997



14.8523, 14.5581, 17.4228



23.1538, 11.3957, 25.5024



1.7446, 0.8556, 2.0617



# Inverse Universe

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



41.6199, 20.4931, 45.4782



51.5410, 25.3804, 56.1743



35.7660, 60.4773, 45.9994



14.8523, 14.5581, 17.4228



23.1538, 11.3957, 25.5024



1.7446, 0.8556, 2.0617



# Previews

## White Background



This preview shows how the XYZ color 41.6192, 20.4920, 45.4778 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

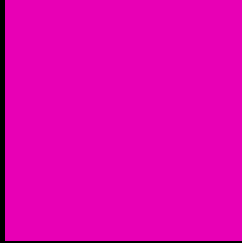
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.6192, 20.4920, 45.4778 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

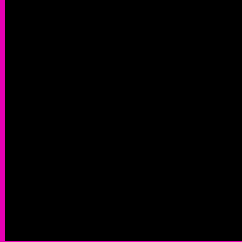
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.6192, 20.4920, 45.4778**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.6192, 20.4920, 45.4778.



This preview shows how white text looks on a background with the XYZ color 41.6192, 20.4920,

45.4778.

# 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

41.6192, 20.4920, 45.4778

### Protanopia

25.6367, 21.4624, 97.3992

### Deuteranopia

21.6595, 21.2143, 40.9834



## Tritanopia

34.2637, 20.8618, 8.8774

# Trichromacy



## Original Color

41.6192, 20.4920, 45.4778



## Protanomaly

22.5537, 14.0535, 74.9227



## Deuteranomaly

24.6092, 16.0624, 41.8477



## Tritanomaly

35.6542, 19.4226, 17.7893

# Monochromacy



## Original Color

41.6192, 20.4920, 45.4778



## Achromatopsia

9.7181, 10.2242, 11.1341



## Achromatomaly

16.1936, 10.1071, 19.8363

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.6192, 20.4920, 45.4778 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, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 181)  
}
```

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, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 41.6192, 20.4920, 45.4778 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, 0, 181) }
```



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

```
.border{ border-color:rgb(232, 0, 181) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.6192, 20.4920, 45.4778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 181) }
```

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

```
.background{ background-color: rgb(232, 0,  
181) }
```

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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