

# Converting Colors

XYZ(44.2057, 21.8217, 45.7648)

Have a look what the booklet for  
XYZ(44.2057, 21.8217, 45.7648)  
contains.

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# Color

**XYZ(44.2757, 21.8615,  
45.6022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F00B5
RGB	240, 0, 181
RGB Percent	94%, 0%, 71%
CMY	0.0588, 0.9998, 0.2902
CMYK	0.00, 1.00, 0.25, 0.06
HSL	315°, 100%, 47%
HSV	315°, 100%, 94%
XYZ	44.2757, 21.8615, 45.6022
YIQ	92.3940, 84.9390, 107.1710

# Conversions

## Conversions Part 2

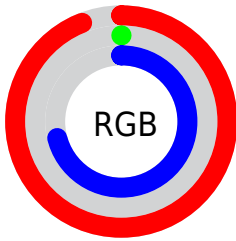
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 0, 181
Decimal	15728821
CIE <sub>Lab</sub>	53.88, 86.39, -29.15
CIE <sub>LCh</sub>	54, 91.177, 341.352
Yxy	21.8615, 0.3962, 0.1956
Android (android.graphics.Color)	4293918901 (0xFFFF00B5)
YUV	92.3940, 43.6828, 129.4505
Hunter-Lab	46.7563, 87.2065, -25.0971

# Details

The XYZ color **44.2757, 21.8615, 45.6022** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **31.9516, 62.6371, 14.5508**, and the grayscale version is **10.1589, 10.6879, 11.6392**.

A 20% lighter version of the original color is **60.9879, 36.2981, 83.9126**, and **22.4867, 11.1422, 21.3876** is the 20% darker color. If you saturate the color by 10%, you get **44.2746, 21.8610, 45.5955**, and if you desaturate by 10%, it is **45.2221, 22.7644, 48.9690**.

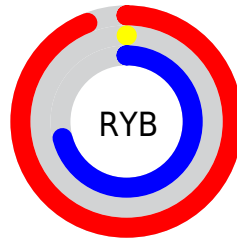
# Distribution



Red (94%)

Green (0%)

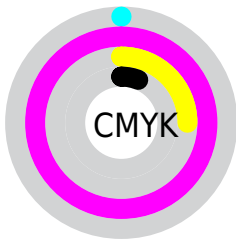
Blue (71%)



Red (94%)

Yellow (0%)

Blue (71%)

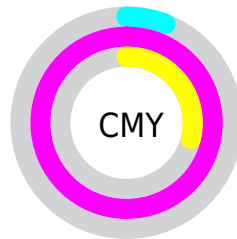


Cyan (0%)

Magenta (100%)

Yellow (25%)

Black (6%)



Cyan (6%)

Magenta (100%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2757, 21.8615, 45.6022 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 44.2757, 21.8615, 45.6022 by changing the saturation by 10% instead.



44.2757, 21.8615,  
45.6022

44.2757, 21.8615,  
45.6022

354.6654,  
261.8221, 385.4381

31.0862, 13.7552,  
31.5856

80.8762, 46.5170,  
84.9513

20.8166, 7.9506,  
20.7830

105.0179, 63.8349,  
111.1210

13.1017, 4.0633,  
12.7758

133.5410, 84.9922,  
142.1788

7.5761, 1.7091,  
7.1454

166.8109,  
110.3732, 178.5432

3.8744, 0.4295,  
3.4734

205.1929,  
140.3622, 220.6327

1.6313, 0.0000,  
1.3411

249.0525,

0.4127, 0.0000,

175.3438, 268.8661

0.0952

298.7548,  
215.7023, 323.6617

■ 0.0000, 0.0000,  
0.0000

■ 44.2757, 21.8615,  
45.6022

■ 44.2757, 21.8615,  
45.6022

■ 44.2746, 21.8610,  
45.5955

■ 45.2221, 22.7644,  
48.9690

■ 46.5981, 24.4849,  
52.6070

■ 48.5305, 27.2766,  
56.5600

■ 51.0948, 31.2893,  
60.8547

■ 54.3542, 36.6492,  
65.5135

■ 58.3640, 43.4666,  
70.5565

■ 63.1739, 51.8403,  
76.0014

■ 68.8292, 61.8606,  
81.8648

■ 75.3719, 73.6107,  
88.1619

# Harmonies

## Analogous

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



35.9048, 21.8615, 91.7792



44.2757, 21.8615, 45.6022



45.3129, 21.8615, 14.6723

# Triad

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



44.2757, 21.8615, 45.6022



17.2815, 21.8615, 0.2449



9.5888, 21.8615, 80.3333

# Complementary

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



44.2757, 21.8615, 45.6022



31.9516, 62.6371, 14.5508

# 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.



7.2258, 21.8615, 36.1035



44.2757, 21.8615, 45.6022



10.6390, 21.8615, 1.9180

# Square

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



44.2757, 21.8615, 45.6022



27.4152, 21.8615, 0.4549



7.5375, 21.8615, 10.3676



15.3102, 21.8615, 120.4972



# Rectangle

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



44.2757, 21.8615, 45.6022



41.4177, 21.8615, 5.3042



7.5375, 21.8615, 10.3676



8.4711, 21.8615, 64.4440

# Sweetspot

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



44.2764, 21.8627, 45.6026



72.4280, 59.3673, 87.1431



17.3619, 7.1343, 82.9004



14.9791, 11.7909, 18.0747



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.



44.2764, 21.8627, 45.6026



50.7876, 25.0790, 52.2070



36.8624, 18.8971, 6.5608



16.2785, 15.9611, 19.0226



24.2920, 11.9892, 25.2518



2.0599, 1.0130, 2.3063



# Inverse Universe

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



44.2764, 21.8627, 45.6026



50.7876, 25.0790, 52.2070



38.9987, 65.4559, 51.6604



16.2785, 15.9611, 19.0226



24.2920, 11.9892, 25.2518



2.0599, 1.0130, 2.3063



# Previews

## White Background



This preview shows how the XYZ color 44.2757, 21.8615, 45.6022 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

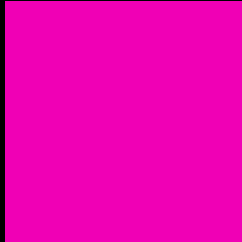
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.2757, 21.8615, 45.6022 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 44.2757, 21.8615, 45.6022**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.2757, 21.8615, 45.6022.



This preview shows how white text looks on a background with the XYZ color 44.2757, 21.8615,

45.6022.

# 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

44.2757, 21.8615, 45.6022

### Protanopia

26.8761, 22.8455, 97.6008

### Deuteranopia

22.9066, 22.4405, 40.6603



## Tritanopia

36.8019, 22.1703, 8.9962

# Trichromacy



## Original Color

44.2757, 21.8615, 45.6022



## Protanomaly

24.6180, 15.3318, 75.0606



## Deuteranomaly

26.0023, 16.9013, 41.4270



## Tritanomaly

38.2366, 20.7538, 17.9102

# Monochromacy



## Original Color

44.2757, 21.8615, 45.6022



## Achromatopsia

10.1725, 10.7023, 11.6548



## Achromatomaly

17.0561, 10.6942, 20.2340

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.2757, 21.8615, 45.6022 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(240, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 44.2757, 21.8615, 45.6022 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(240, 0, 181) }
```



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

```
.border{ border-color:rgb(240, 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(240, 0, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.2757, 21.8615, 45.6022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 181) }
```

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

```
.background{ background-color: rgb(240, 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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