

# Converting Colors

XYZ(44.3877, 21.6373, 58.3365)

Have a look what the booklet for  
XYZ(44.3877, 21.6373, 58.3365)  
contains.

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# Color

**XYZ(44.3838, 21.6354,  
58.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E900CB
RGB	233, 0, 203
RGB Percent	91%, 0%, 80%
CMY	0.0863, 0.9998, 0.2039
CMYK	0.00, 1.00, 0.13, 0.09
HSL	308°, 100%, 46%
HSV	308°, 100%, 91%
XYZ	44.3838, 21.6354, 58.3367
YIQ	92.8090, 73.7050, 112.5290

# Conversions

## Conversions Part 2

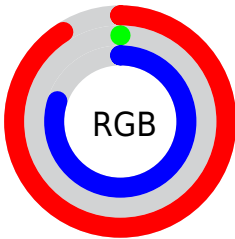
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 0, 203
Decimal	15270091
CIE <sub>Lab</sub>	53.64, 87.75, -42.37
CIE <sub>LCh</sub>	54, 97.443, 334.224
Yxy	21.6354, 0.3569, 0.1740
Android (android.graphics.Color)	4293460171 (0xFFE900CB)
YUV	92.8090, 54.3242, 122.9475
Hunter-Lab	46.5139, 88.9265, -41.8005

# Details

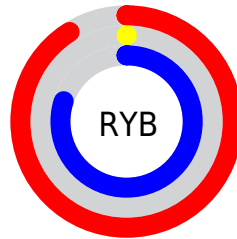
The XYZ color **44.3838, 21.6354, 58.3367** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **29.3746, 58.3726, 10.9498**, and the grayscale version is **10.2310, 10.7638, 11.7218**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **22.3586, 10.9088, 28.9441** is the 20% darker color. If you saturate the color by 10%, you get **44.3836, 21.6354, 58.3338**, and if you desaturate by 10%, it is **45.0585, 22.4065, 60.3432**.

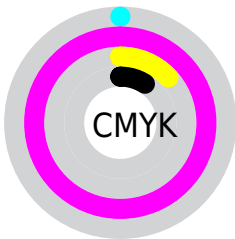
# Distribution



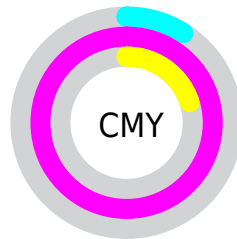
- Red (91%)
- Green (0%)
- Blue (80%)



- Red (91%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3838, 21.6354, 58.3367 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 44.3838, 21.6354, 58.3367 by changing the saturation by 10% instead.




 44.3838, 21.6354,  
58.3367


 44.3838, 21.6354,  
58.3367

355.0980,  
260.6363, 436.0726

 31.1716, 13.5892,  
41.6629


 81.0377, 46.1426,  
103.9326

 20.8820, 7.8355,  
28.5138


 105.2101, 63.3725,  
133.6918


 13.1497, 3.9899,  
18.4709


 133.7666, 84.4324,  
168.6499

 7.6094, 1.6679,  
11.1157

 167.0726,  
109.7068, 209.2255

 3.8958, 0.4027,  
6.0296

 205.4933,  
139.5799, 255.8370

 1.6433, 0.0000,  
2.7940

249.3942,

 0.4204, 0.0000,

174.4363, 308.9029

0.9904

299.1407,  
214.6603, 368.8420

■ 0.0000, 0.0000,  
0.0000

■ 44.3838, 21.6354,  
58.3367

■ 44.3838, 21.6354,  
58.3367

■ 44.3836, 21.6354,  
58.3338

■ 45.0585, 22.4065,  
60.3432

■ 46.1156, 23.9317,  
62.5113

■ 47.6749, 26.4502,  
64.8814

■ 49.8061, 30.1011,  
67.4768

■ 52.5678, 35.0016,  
70.3173

■ 56.0110, 41.2539,  
73.4200

■ 60.1819, 48.9500,  
76.8005

■ 65.1222, 58.1737,  
80.4730

■ 70.8709, 69.0023,  
84.4505

# Harmonies

## Analogous

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



34.0092, 21.6354, 109.9245



44.3838, 21.6354, 58.3367



47.7003, 21.6354, 19.5803

# Triad

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



44.3838, 21.6354, 58.3367



19.1237, 21.6354, 0.0000



8.0517, 21.6354, 72.7806

# Complementary

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



44.3838, 21.6354, 58.3367



29.3746, 58.3726, 10.9498

# 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.



6.3595, 21.6354, 28.0393



44.3838, 21.6354, 58.3367



11.2315, 21.6354, 0.8326

# Square

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



44.3838, 21.6354, 58.3367



30.5599, 21.6354, 0.3308



7.2878, 21.6354, 6.3826



13.0265, 21.6354, 122.1479



# Rectangle

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



44.3838, 21.6354, 58.3367



44.7679, 21.6354, 6.9906



7.2878, 21.6354, 6.3826



7.1735, 21.6354, 55.7967

# Sweetspot

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



44.3846, 21.6365, 58.3371



73.7642, 59.9018, 94.1794



15.1663, 6.1201, 77.4736



15.3017, 11.9199, 19.7734



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.



44.3846, 21.6365, 58.3371



54.4464, 26.5426, 71.4742



35.4226, 18.0517, 11.1439



15.6265, 15.2784, 18.5843



25.2165, 12.2893, 33.2711



2.0034, 0.9743, 2.7353



# Inverse Universe

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



44.3846, 21.6365, 58.3371



54.4464, 26.5426, 71.4742



34.1508, 60.2831, 36.1010



15.6265, 15.2784, 18.5843



25.2165, 12.2893, 33.2711



2.0034, 0.9743, 2.7353



# Previews

## White Background



This preview shows how the XYZ color 44.3838, 21.6354, 58.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

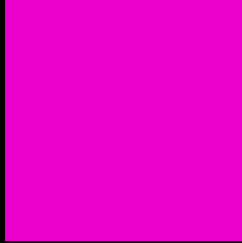
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 44.3838, 21.6354, 58.3367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

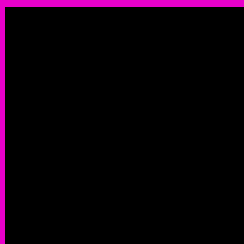
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.3838, 21.6354, 58.3367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3838, 21.6354, 58.3367.



This preview shows how white text looks on a background with the XYZ color 44.3838, 21.6354,



# 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

44.3838, 21.6354, 58.3367

### Protanopia

26.6831, 22.7460, 97.5918

### Deuteranopia

22.9631, 22.4052, 52.4046



## Tritanopia

34.6326, 21.9228, 11.0005

# Trichromacy



## Original Color

44.3838, 21.6354, 58.3367



## Protanomaly

25.0792, 15.4383, 81.0149



## Deuteranomaly

25.6301, 16.5540, 53.4741



## Tritanomaly

36.4441, 20.0949, 22.3800

# Monochromacy



## Original Color

44.3838, 21.6354, 58.3367



## Achromatopsia

10.4043, 10.9462, 11.9204



## Achromatomaly

17.2992, 10.7507, 23.3536

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3838, 21.6354, 58.3367 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(233, 0, 203)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 203)  
}
```

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(233, 0, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3838, 21.6354, 58.3367 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(233, 0, 203) }
```



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

```
.border{ border-color:rgb(233, 0, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 0, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(233, 0,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3838, 21.6354, 58.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 203) }
```

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

```
.background{ background-color: rgb(233, 0,  
203) }
```

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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