

# Converting Colors

XYZ(43.5828, 21.7751, 33.3353)

Have a look what the booklet for  
XYZ(43.5828, 21.7751, 33.3353)  
contains.

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# Color

**XYZ(43.6569, 21.8128,  
33.3618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5009C
RGB	245, 0, 156
RGB Percent	96%, 0%, 61%
CMY	0.0392, 0.9998, 0.3882
CMYK	0.00, 1.00, 0.36, 0.04
HSL	322°, 100%, 48%
HSV	322°, 100%, 96%
XYZ	43.6569, 21.8128, 33.3618
YIQ	91.0390, 95.9440, 100.4560

# Conversions

## Conversions Part 2

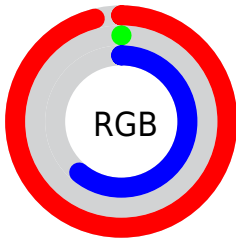
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 0, 156
Decimal	16056476
CIE <sub>Lab</sub>	53.83, 84.80, -14.44
CIE <sub>LCh</sub>	54, 86.020, 350.337
Yxy	21.8128, 0.4417, 0.2207
Android (android.graphics.Color)	4294246556 (0xFFFF5009C)
YUV	91.0390, 32.0258, 135.0238
Hunter-Lab	46.7042, 85.1212, -9.6592

# Details

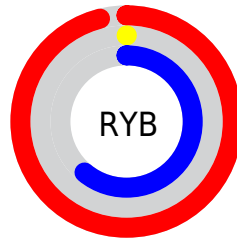
The XYZ color **43.6569, 21.8128, 33.3618** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **34.4587, 66.0273, 20.3925**, and the grayscale version is **9.8746, 10.3888, 11.3135**.

A 20% lighter version of the original color is **57.4597, 34.8868, 65.3334**, and **22.0782, 11.0872, 14.3410** is the 20% darker color. If you saturate the color by 10%, you get **43.6551, 21.8120, 33.3524**, and if you desaturate by 10%, it is **44.7771, 22.8021, 37.5920**.

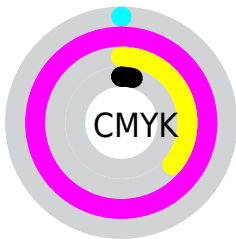
# Distribution



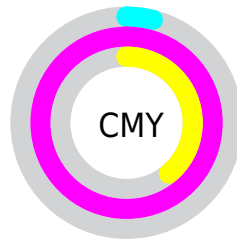
- Red (96%)
- Green (0%)
- Blue (61%)



- Red (96%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6569, 21.8128, 33.3618 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 43.6569, 21.8128, 33.3618 by changing the saturation by 10% instead.





 43.6569, 21.8128,  
33.3618


 43.6569, 21.8128,  
33.3618


352.1822,  
261.5671, 331.9588


 30.5976, 13.7194,  
22.1304


 79.9508, 46.4364,  
66.0625


 20.4430, 7.9258,  
13.7535


 103.9161, 63.7354,  
88.3688


 12.8276, 4.0475,  
7.8126


 132.2474, 84.8717,  
115.2039

 7.3861, 1.7002,  
3.8892

 165.3101,  
110.2298, 146.9862

 3.7532, 0.4238,  
1.5648

 203.4696,  
140.1940, 184.1343

 1.5635, 0.0000,  
0.2655

247.0912,

 0.3684, 0.0000,

175.1486, 227.0667

0.0000

296.5403,  
215.4782, 276.2020

■ 0.0000, 0.0000,  
0.0000

■ 43.6569, 21.8128,  
33.3618

■ 43.6569, 21.8128,  
33.3618

■ 43.6551, 21.8120,  
33.3524

■ 44.7771, 22.8021,  
37.5920

■ 46.3778, 24.6624,  
42.2605

■ 48.5923, 27.6580,  
47.4172

■ 51.5005, 31.9473,  
53.0942

■ 55.1696, 37.6633,  
59.3191

■ 59.6589, 44.9222,  
66.1165

■ 65.0210, 53.8284,  
73.5089

■ 71.3045, 64.4770,  
81.5174

■ 78.5539, 76.9558,  
90.1614

# Harmonies

## Analogous

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



37.6478, 21.8128, 73.3156



43.6569, 21.8128, 33.3618



42.2660, 21.8128, 10.0875

# Triad

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



43.6569, 21.8128, 33.3618



15.1480, 21.8128, 0.8493



11.3304, 21.8128, 88.4479

# Complementary

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



43.6569, 21.8128, 33.3618



34.4587, 66.0273, 20.3925

# 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.



8.1323, 21.8128, 46.2000



43.6569, 21.8128, 33.3618



9.8382, 21.8128, 3.8226

# Square

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



43.6569, 21.8128, 33.3618



23.8617, 21.8128, 0.5598



7.6823, 21.8128, 16.1889



17.8894, 21.8128, 117.5856



# Rectangle

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



43.6569, 21.8128, 33.3618



37.4483, 21.8128, 3.6886



7.6823, 21.8128, 16.1889



9.9201, 21.8128, 74.2914

# Sweetspot

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



43.6575, 21.8140, 33.3621



71.1533, 58.8574, 80.4309



20.3003, 8.5622, 86.9688



14.6737, 11.6687, 16.4665



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.



43.6575, 21.8140, 33.3621



47.7923, 23.8809, 36.4342



37.9876, 19.5460, 3.5045



16.9432, 16.6601, 19.4475



23.5867, 11.7781, 18.3298



2.1222, 1.0549, 1.8701



# Inverse Universe

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



43.6575, 21.8140, 33.3621



47.7923, 23.8809, 36.4342



44.0701, 69.8719, 71.0054



16.9432, 16.6601, 19.4475



23.5867, 11.7781, 18.3298



2.1222, 1.0549, 1.8701



# Previews

## White Background



This preview shows how the XYZ color 43.6569, 21.8128, 33.3618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

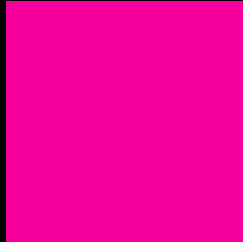
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.6569, 21.8128, 33.3618 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 43.6569, 21.8128, 33.3618**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6569, 21.8128, 33.3618.



This preview shows how white text looks on a background with the XYZ color 43.6569, 21.8128,

33.3618.

# 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

43.6569, 21.8128, 33.3618

### Protanopia

24.9332, 22.5812, 72.8565

### Deuteranopia

22.8535, 22.4573, 29.9182



## Tritanopia

38.2446, 22.1661, 7.1133

# Trichromacy



## Original Color

43.6569, 21.8128, 33.3618



## Protanomaly

24.9283, 16.0281, 55.8127



## Deuteranomaly

26.2717, 17.2849, 30.3854



## Tritanomaly

39.1588, 21.0149, 13.3016

# Monochromacy



## Original Color

43.6569, 21.8128, 33.3618



## Achromatopsia

9.9438, 10.4616, 11.3927



## Achromatomaly

16.6402, 10.4670, 17.3629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6569, 21.8128, 33.3618 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(245, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 156)  
}
```

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(245, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6569, 21.8128, 33.3618 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(245, 0, 156) }
```



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

```
.border{ border-color:rgb(245, 0, 156) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6569, 21.8128, 33.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 156) }
```

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

```
.background{ background-color: rgb(245, 0,  
156) }
```

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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